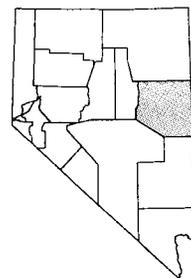


**ANALYSIS OF SOCIO-ECONOMIC DATA AND TRENDS
FOR THE COMPREHENSIVE
ECONOMIC DEVELOPMENT STRATEGY (CEDs)
FOR WHITE PINE COUNTY:**

PART I



**ANALYSIS OF SOCIO-ECONOMIC DATA AND TRENDS
FOR THE COMPREHENSIVE
ECONOMIC DEVELOPMENT STRATEGY (CEDs)
FOR WHITE PINE COUNTY
PART I**

Thomas R. Harris

Kurt Jahn

Thomas R. Harris is a Professor in the Department of Resource Economics and Director of the University Center for Economic Development at the University of Nevada, Reno.

Kurt Jahn is an Undergraduate Assistant in the Department of Resource Economics at the University of Nevada, Reno.

January 2005

**UNIVERSITY
OF NEVADA
RENO**

The University of Nevada, Reno is an Equal Opportunity/Affirmative Action employer and does not discriminate on the basis of race, color, religion, sex, age, creed, national origin, veteran status, physical or mental disability, and in accordance with university policy, sexual orientation, in any program or activity it operates. The University of Nevada employs only United States citizens and aliens lawfully authorized to work in the United States.

This publication, *Analysis of Socio-Economic Data and Trends for the Comprehensive Economic Development Strategy (CEDS) for White Pine County: Part I*, was published by the University Center for Economic Development in the Department of Resource Economics at the University of Nevada, Reno. Funds for this publication were provided by the United States Department of Commerce Economic Development Administration under University Centers Program contract #07-66-05359. This publication's statements, findings, conclusions, recommendations, and/or data represent solely the findings and views of the authors and do not necessarily represent the views of the U.S. Department of Commerce, the Economic Development Administration, White Pine County Commissioners, State of Nevada Commission on Economic Development, University of Nevada, Reno, or any reference sources used or quoted by this study. Reference to research projects, programs, books, magazines, or newspaper articles does not imply an endorsement or recommendation by the authors unless otherwise stated. Correspondence regarding this document should be sent to:

Thomas R. Harris, Director
University Center for Economic Development
University of Nevada, Reno
Department of Resource Economics
Mail Stop 204
Reno, Nevada 89557-0105
Phone: 775/784-6499



UCED
University of Nevada, Reno
Nevada Cooperative Extension
Department of Resource Economics

**ANALYSIS OF SOCIO-ECONOMIC DATA AND TRENDS
FOR THE COMPREHENSIVE
ECONOMIC DEVELOPMENT STRATEGY (CEDS)
FOR WHITE PINE COUNTY:**

PART I

EXECUTIVE SUMMARY

The University Center for Economic Development conducted a study of socioeconomic trends in White Pine County. The results of this study can be used for background material for a Comprehensive Economic Development Strategy (CEDS) in White Pine County.

ANALYSIS OF POPULATION TRENDS

- White Pine County's population from the 2000 Census was 9,181 which ranked White Pine County 10th among Nevada's seventeen counties.
- Between Census 1990 and Census 2000, White Pine County's population decreased by 83 people.
- The Nevada State Demographer projects county population each year. From 1970 to 2004, the average annual growth rate of White Pine County population has been -0.36 percent, which ranks White Pine County 16th among Nevada's seventeen counties.
- During the last two years, White Pine County has realized a decline and increase in annual growth rates. Population growth rate for White Pine County declined by -0.24 percent in 2003, which reversed to an increase of 1.40 percent in 2004.
- In 2003, six Nevada counties realized negative population growth rates (Elko, Lander, Esmeralda, Lincoln, Mineral, and White Pine Counties.) However, by 2004, only two of Nevada's seventeen counties had negative growth rates (Pershing, and Mineral Counties).
- Overall population for White Pine County decreased 0.9% from 1990 to 2000 but decreased by 14.39 percent for age group 20 to 34 years of age. This may be of some concern because this age group is the basis for future economic and entrepreneurial growth in White Pine County.
- In White Pine County, the Hispanic or Latino population increased by 156 persons or an 18.31 percent increase from 1990 to 2000. Proportionate share of total White Pine County population that is Hispanic or Latino increased from 9.20 percent in 1990 to 10.98 percent in 2000.

- For the state of Nevada, Hispanic or Latino population increased by 269,551 persons, or a 216.65 percent increase from 1990 to 2000. Proportionate share of total state of Nevada population that is Hispanic or Latino increased from 10.35 percent in 1990 to 19.72 percent in 2000.
- From 1990 to 2000, national Hispanic or Latino population increased by 12,951,759 persons or a 57.94 percent increase from 1990 to 2000. Also, the proportionate share of total national population that is Hispanic or Latino increased from 8.99 percent in 1990 to 12.55 percent in 2000.

ANALYSIS OF PERSONAL AND PER CAPITA INCOME

- Total 2002 place of work earnings for White Pine County were \$135,201,000. Place of work earnings were adjusted by adding the net residence adjustment to derive residential earnings. For White Pine County the net adjustment for 2002 was \$31,044,000. This means \$31,044,000 more was earned by people living in White Pine County and working outside of White Pine County than people living outside of White Pine County and working inside White Pine County.
- Proportionate share of total earnings for dividends, interest and rents; and transfer payments is 31.85 percent in White Pine County. This proportionate share is lower than the state value of 32.34 percent and the national value of 31.93 percent.
- Per capita income for White Pine County in 2002 was \$26,516, which was 13.23 percent less than the state's average (\$30,559) and 14.20 percent less than the nation's average (\$30,906).

ANALYSIS OF EDUCATIONAL DATA AND NATIVE BIRTH DATA

- From the 2000 Census, White Pine County's proportionate share of people 25 years and older with a high school diploma or higher education was 82.0 percent. This is higher than both the state value of 80.7 and the national value of 80.4 percent.
- For the new economy (high-tech industries) the pool of college educated people is important. In 2000, White Pine County's proportionate share of people 25 years and older with a bachelor's degree is 11.8 percent. This is lower than the state value of 18.2 percent and the national value of 24.4 percent.
- In 2000, the state of Nevada was the fastest growing state in the nation, but had the lowest percentage of native-born population. In 2000, only 21.3 percent of the state's population had been born in Nevada.

- White Pine County had the highest percentage of native-born population in 2000. In 2000, 42.3 percent of White Pine County's population was born in Nevada. In contrast, only 19.1 percent of Clark County's 2000 population was born in Nevada.

ANALYSIS OF LABOR DATA

- Overall White Pine County unemployment rate decreased from 3.9 percent in 2000 to 3.8 percent in 2003. The number of unemployed in White Pine County decreased from 120 in 2000 to 111 in 2003. Overall White Pine County labor force decreased from 3,050 in 2000 to 2,896 in 2003. Overall White Pine County resident employment declined from 3,050 in 2000 to 2,785 in 2003. As for covered employment in White Pine County, covered employment decreased from 3,145 in 2000 to 3,039 in 2003. Subsequently, covered employment increased to 3,373 in 2004.
- These statistics show the fallacy in using a singular economic statistic, such as unemployment rate to judge a county's economic activity or viability. White Pine County's unemployment rate and number of unemployed declined from 2000 to 2003. However, the county's labor force, resident employment and industrial employment also declined, which would indicate a troubled county economy.
- An alternate statistic used to estimate county economic vitality is the out-migration/population loss statistic. This statistic was developed from an EDA funded research publication by Feser and Sweeney (1998).

ANALYSIS OF LAND OWNERSHIP

- White Pine County ranks fifth largest among Nevada's seventeen counties with 5,669,200 acres.
- Approximately 93.5 percent of White Pine County acreage is administered by the federal government.
- Only 5.07 percent of total White Pine County acreage is owned by local government and the private sector.

ANALYSIS OF NATIONAL, STATE AND COUNTY ENTREPRENEURIAL ACTIVITY

- County economies that are dependent on extractive industries and branch plants frequently have capital flows or profits going outside their local economies.

- With the loss of export sector jobs in rural America and the downsizing of employment by large corporations, serious questions arise regarding future employment for these released workers.
- Released workers have five options:
 - i. Leave White Pine County,
 - ii. Become employed in another economic sector, probably at a lower pay scale, in White Pine County,
 - iii. Work in an adjacent county and continue to live in White Pine County,
 - iv. Become unemployed and continue to live in White Pine County, or
 - v. Become self-employed in White Pine County as sole proprietor or a partner in a business.
- Renewed interest in the advantages of a strong entrepreneurial base to local economies has been generated.
- Entrepreneurs are likely to be innovative and adaptive to the new economy and their capital floes and profits are often retained locally.
- White Pine County is classified as an “Entrepreneurship of Necessity” county. This means that White Pine County had employment growth less than the U.S. average and ratio of entrepreneurs to workers was greater than the national ratio.
- A policy issue in White Pine County would seek to increase both public and private providers of entrepreneurial assistance such as a business incubator. This is necessary for White Pine County since the county economy relies on entrepreneurship for income growth and increased business formation.

TABLE OF CONTENTS

Section I: Analysis of Population Trends	11
Section II: Analysis of Personal and Per Capita Income	28
Section III: Analysis of Educational Data and Native Birth Data	34
Section IV: Analysis of Labor Data.....	39
Section V: Analysis of Land Ownership	46
Section VI: Analysis of National, State and County Entrepreneurial Activity.....	49

LIST OF TABLES

Table 1. County Population, Rank of Population and Change in Population Rank, State of Nevada, 1990 to 2000.....	13
Table 2. Change in County Population, Percentage Change in County Population and Percentage of State Change in Population by County, State of Nevada, 1990 to 2000.....	15
Table 3. Median Age by County for the State of Nevada, 1990 and 2000	17
Table 4. Population by Age and Proportionate Share of Population by Age for White Pine County, 1990 and 2000	18
Table 5. Trends in Population by Race for White Pine County, 1990 and 2000	20
Table 6. Trends in Population by Race for the State of Nevada, 1990 and 2000	20
Table 7. Trends in Population by Race for the United States, 1990 and 2000.....	21
Table 8. Nevada County Population Growth Rate and Stability Index, 1970-2004	23
Table 9. Nevada Population by County Average Annual Growth Rates, 1970-2004 by Decade, 2003 and 2004	25
Table 10. Personal Income of White Pine County Residents, 2002	29
Table 11. Comparison of Personal Income Sources, White Pine County, State of Nevada and the U.S. 2002.....	30
Table 12. Nevada County Per Capita Income and Rank, 2002.....	32
Table 13. Educational Attainment for White Pine County, State of Nevada and the Nation, 2000.....	35
Table 14. Nevada Counties Ranked by Percentage of County Population Born in the State of Nevada, 2000.....	37
Table 15. Labor Force Trends for White Pine County, Nevada, State of Nevada and U.S. 2000-2003	40
Table 16. Unemployment Rate Trends for White Pine County, State of Nevada and U.S., 2000-2003.....	41
Table 17. Number of Unemployed Trends for White Pine County, State of Nevada and U.S., 2000-2003.....	41
Table 18. Resident Number Employed for White Pine County, State of Nevada and U.S., 2000-2003	42
Table 19. Covered Employment Place of Work for White Pine County, State of Nevada and U.S., 2000-2004.....	43
Table 20. Federal, State, and Local Government and Private Sector Lands in White Pine County, 2000	47
Table 21. Overall Economic and Entrepreneurship Activity Indicators for Nevada Counties, 1969-2002.....	53
Table 22. Classification of County or Region Entrepreneurship Activity	54

Introduction

The University Center for Economic Development conducted a study of socioeconomic trends in White Pine County. The results of this study can be used for background material for a Comprehensive Economic Development Strategy (CEDS) in White Pine County. The analysis in this publication provides an understanding of past and future socio-economic trends at the county, state, and national level. Sub-county analysis will follow in a separate publication.

Section I analyzes trends in U.S., state and White Pine County population. Data from the U.S. Census and the State Demographer for the state of Nevada are used.

Section II provides an analysis of 2002 personal per capita income for the nation, state and White Pine County.

Section III analyzes national, state and White Pine County educational attainment and proportion of the population that is native-born.

Section IV provides an analysis of labor force, number of unemployed, resident employed and industrial employment for the nation, state and White Pine County.

Section V analyzed the ownership of land in White Pine County between the federal government, state government and local government and private sector ownership.

Finally, Section VI provides an analysis of entrepreneurial activity in the nation, state and White Pine County.

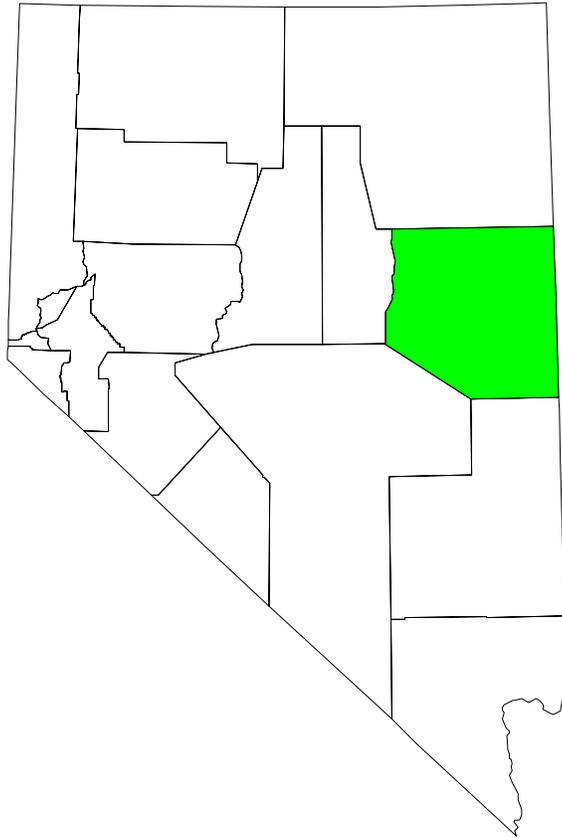
Additional in-depth county-level socioeconomic data and trends can be found on a University Center-sponsored web site. The web address is:

<http://niip.wsu.edu/Nevada>

Socioeconomic data at the sub-county level will be presented in a later University Center Technical Bulletin.

SECTION I:

ANALYSIS OF POPULATION TRENDS



Population Trends

White Pine County is located in the northeastern part of the state. The county is bordered by Elko County to the north, Eureka County to the west, and Nye and Lincoln Counties to the south. Its western edge borders Utah's Juab and Miller Counties. The community of Ely is the county seat and population center. Population and rates of population growth provide vital information to federal, state, and local government employees, as well as to the private sector personnel regarding areas of economic growth. Population estimates provide information used under several program to allocate federal and state funds and sales taxes to counties and to allocate justices of the peace for townships. In addition, population estimates are used to determine various vital statistics, such as poverty, mortality, fertility, per capita income, and others for use in official grant requests.

Census Population Trends

Every ten years, the U.S. Bureau of Census conducts a population census of the United States. Information from the 2000 Census may be helpful to White Pine County decision-makers.

Table 1 shows the 2000 and 1990 county populations, population rankings and changes in ranking for Nevada's seventeen counties. Population for White Pine County decreased from 9,264 in 1990 to 9,181 in 2000. White Pine County maintained its population rank as tenth among Nevada's seventeen counties in 1990 and 2000. Lander County was another northeastern Nevada county that realized population declines from 1990 to 2000. Lander County's population declined from 6,266 in 1990 to 5,794 in 2000. However, Lander County's rank remained at twelfth most populous county in the state of Nevada.

Table 1. County Population, Rank of Population and Change in Population Rank, State of Nevada, 1990 to 2000.

County	2000		1990		Change in Rank
	Population	Rank	Population	Rank	
Clark	1,375,765	1	741,459	1	0
Washoe	339,486	2	254,667	2	0
Carson City	52,457	3	40,443	3	0
Elko	45,291	4	33,530	4	0
Douglas	41,259	5	27,637	5	0
Lyon	34,501	6	20,001	6	0
Nye	32,485	7	17,781	8	1
Churchill	23,982	8	17,938	7	-1
Humboldt	16,106	9	12,844	9	0
White Pine	9,181	10	9,264	10	0
Pershing	6,693	11	4,334	13	2
Lander	5,794	12	6,266	12	0
Mineral	5,071	13	6,475	11	-2
Lincoln	4,165	14	3,775	14	0
Storey	3,399	15	2,526	15	0
Eureka	1,651	16	1,547	16	0
Esmeralda	971	17	1,344	17	0
Urban ¹	1,767,708		1,036,569		
Rural ²	230,549		165,264		
TOTAL	1,998,257		1,201,833		

Source: U.S. Department of Commerce. "Census 2000 Redistricting Data (PL-94-171) Summary File, Table PL1 and 1990 Census." Bureau of Census: Washington D.C. 2000 and 1990.

¹ Urban counties of Nevada are Carson City, Clark and Washoe Counties.

² Rural counties are the remaining fourteen of Nevada's seventeen counties.

Of interest is the growth of Nevada's urban counties (Carson City, Clark, and Washoe) growing from 1,036,569 in 1990 to 1,767,708 in 2000. The rural counties of Nevada have also realized population growth, increasing from 165,264 in 1990 to 230,549 in 2000. However, even with the rural Nevada population increase, the proportionate urban share of Nevada's population increased from 86.25 percent in 1990 to 88.46 percent in 2000.

Table 2 details population growth, county population growth rates and county proportionate share of total state of Nevada population growth from 1990 to 2000. White Pine County realized a population decrease of 86 people from 1990 to 2000, which ranked the county fourteenth among Nevada's seventeen counties in population growth from 1990 to 2000. This is a 0.90 percent decrease in county census population from 1990 to 2000. White Pine County contributed -0.01 percent to total state population growth.

Even though rural Nevada realized a 37.63 percent growth rate in population from 1990 to 2000, this growth was less than the urban Nevada counties. As seen in Table 2, the state of Nevada realized a growth rate of 66.27 percent from 1990 to 2000, which was the largest of any state in the nation. However this growth was not evenly distributed throughout the state. In fact, four of Nevada's seventeen counties realized population decreases during the state's rapid population increase. Unfortunately, two of these counties, Lander and White Pine Counties, are located in northeast Nevada.

From Table 2, Clark County had the largest population growth with 634,306 people, which is a county population growth rate of 85.55 percent. Also Clark County accounted for approximately 80 percent of the state's total population growth. Nevada's three urban counties, Carson City, Clark and Washoe, realized a population growth of approximately 71 percent from 1990 to 2000. These three urban counties accounted for approximately 92 percent of total state population growth from 1990 to 2000. This indicates that the urban counties of Nevada, especially Clark County, will gain in political strength during the next decade.

Table 2. Change in County Population, Percentage Change in County Population and Percentage of State Change in Population by County, State of Nevada, 1990 to 2000.

County	Population Change from 1990 to 2000			
	Number	Rank	Percentage	Percentage of State Change
Clark	634,306	1	85.55	79.64
Washoe	84,819	2	33.31	10.65
Nye	14,704	3	82.70	1.85
Lyon	14,500	4	72.50	1.82
Douglas	13,622	5	49.29	1.71
Carson City	12,014	6	29.71	1.51
Elko	11,761	7	35.08	1.48
Churchill	6,044	8	33.69	0.76
Humboldt	3,262	9	25.40	0.41
Pershing	2,357	10	54.36	0.30
Storey	873	11	34.56	0.11
Lincoln	390	12	10.33	0.05
Eureka	104	13	6.72	0.01
White Pine	-83	14	-0.90	-0.01
Esmeralda	-373	15	-27.75	-0.05
Lander	-472	16	-7.53	-0.06
Mineral	-1,404	17	-21.68	-0.18
Urban ¹	731,139		70.53	91.80
Rural ²	65,285		39.50	8.20
State	796,424		66.27	100.0

Source: U.S. Department of Commerce. "Census 2000 Redistricting Data (PL-94-171) Summary File, Table PL1 and 1990 Census." Census Bureau: Washington D.C. 2000 and 1990.

¹ Urban counties of Nevada are Carson City, Clark, and Washoe Counties.

² Rural counties are the remaining fourteen of Nevada's seventeen counties.

Trends in the Census of Population data from 1990 to 2000 for White Pine County can be summarized as follows:

- White Pine County's 2000 population of 9,181 ranked the county tenth among Nevada's seventeen counties.
- White Pine County did not change its rank among counties in the state of Nevada from 1990 to 2000.
- White Pine County's population decreased from 1990 Census to 2000 Census by 83 persons. This means that White Pine County realized a population growth rate of -0.90 percent during the past decade.
- From 1990 to 2000, the county with the largest population growth was Clark County with 634,306 additional people.
- The population growth rate for Clark County was 85.55 percent accounting for 79.64 percent of total state population growth.
- In contrast, White Pine County contributed -0.01 percent to overall state population growth from 1990 to 2000.
- Given one-man, one-vote, the population growth which occurred in Clark County will only increase the county's political importance.

Census Population by Age

Demographic characteristics of an area refer to age and gender of residents.

Demographic composition changes slowly over time as new residents are added through birth and immigration, and as resident population is lost through death and outmigration.

Table 3 shows county median age for 1990 and 2000. Even at the state and national levels, the population is aging. Median population age for the nation increased from 32.9 years of age in 1990 to 35.3 years of age in 2000, while the state of Nevada increased from 33.3 years of age in 1990 to 35.0 years of age in 2000 (U.S. Department of Commerce, 2000 and 1990). For all counties in the state of Nevada, median age was older in 2000 than in 1990.

For White Pine County, the median age increased from 33.8 years of age in 1990 to 37.7 years of age in 2000. This aging of the population should be of interest to policymakers in White Pine County. Also, compared to the median values for the state and the nation, White Pine County has an older population.

Table 3. Median Age by County for the State of Nevada, 1990 and 2000.

County	1990	2000
	years of age	years of age
Carson City	36.6	38.7
Churchill	33.0	34.7
Clark	33.1	34.4
Douglas	36.2	41.7
Elko	29.4	31.2
Esmeralda	35.8	45.1
Eureka	33.3	38.3
Humboldt	30.6	33.4
Lander	28.7	34.1
Lincoln	33.4	38.8
Lyon	36.4	38.2
Mineral	33.9	42.9
Nye	36.5	42.9
Pershing	31.7	34.4
Storey	37.6	44.5
Washoe	33.6	35.6
White Pine	33.8	37.7
State Of Nevada	33.3	35.0
U.S.	32.9	35.3

Source: U.S. Department of Commerce. "Census 2000 Redistricting Data (PL-94-171) Summary File, Table PL1 and 1990 Census." Bureau of Census: Washington D.C. 2000 and 1990.

Table 4. Population by Age and Proportionate Share of Population by Age for White Pine County, 1990 and 2000.

Age Group	1990		2000	
	Number	Proportionate share	Number	Proportionate share
		(%)		(%)
Under 5	731	7.89	550	5.99
5 to 9	748	8.07	604	6.58
10 to 14	723	7.80	662	7.21
15 to 19	567	6.12	590	6.43
20 to 24	544	5.87	509	5.54
25 to 34	1,534	16.56	1,270	13.83
35 to 44	1,429	15.43	1,477	16.09
45 to 54	1,023	11.04	1,371	14.93
55 to 59	456	4.92	481	5.24
60 to 64	421	4.54	428	4.66
65 to 74	678	7.32	682	7.43
75 to 84	332	3.58	436	4.75
85 and above	78	0.84	121	1.32
TOTAL	9,264	100.00	9,181	100.00

Source: U.S. Department of Commerce. Table DP-1, Profile of General Demographic Characteristics: 2000.” Bureau of Census: Washington D.C. 2001.

Table 4 sheds some light on the aging of the population in White Pine County. When analyzing the age grouping in White Pine County it should be noted that overall county population decreased from 1990 to 2000 by 0.9 percent. For the 20 to 24 years of age group and the 25 to 34 years of age group, population declined by an even larger percentage from 1990 to 2000 by 14.39 percent (299 individuals). In the United States overall, there were 3.3 million fewer people in the 20 to 34 year old age group in 2000 as compared to 1990, a decrease of only 5.37 percent.

The demographics for White Pine County are similar to many rural counties in the nation. Although the United States as a whole lost population in the 20 to 34 year age group, often rural counties have lost an even greater percentage of population in age groups 20 to 24 years and 25 to 34 years of age. This is because the young people with the best education, health, the most marketable skills and abilities leave the rural areas to realize their potential. With their departure, the county area loses future leaders, innovators and entrepreneurs. Taxes collected in

the county to invest in local education will now earn dividends for the people and economies of other counties and states. Stemming this tide is always a goal of rural economic development.

The age-population data for Census 1990 to 2000 for White Pine County can be summarized as follows:

- Median age for White Pine County has increased to 37.7 years of age in 2000, compared to 33.8 years of age in 1990.
- The aging of the population is a state and national trend; however, White Pine County's aging has been greater.
- With overall population for White Pine County decreasing by 0.9 percent from 1990 to 2000, population decreased by 14.39 percent for age groups 20 to 24 years of age and 25 to 34 years of age.
- The decrease in these two population groups should be of concern to White Pine County's decision makers because these young people are the basis for future economic and entrepreneurial growth for the county.

Population by Race Trends

Tables 5 through 7 show the change in population by race for White Pine County, the state of Nevada, and the nation. From 1990 to 2000 in White Pine County, White population decreased by 6.22 percent, Black or African-American population increased by 102.13 percent, American Indian or Alaska Native population decreased by 2.72 percent, Asian and Pacific Islander population increased by 168.57 percent, and Other Race population increased by 62.80 percent (Table 5). Overall, White Pine County population from 1990 to 2000 decreased by -0.90 percent. The Hispanic or Latino population in White Pine County increased by 156 persons, or 18.31 percent from 1990 to 2000.

For the state of Nevada from 1990 to 2000, White population increased by 48.31 percent, Black or African-American population increased by 71.99 percent, American Indian or Alaska Native population increased by 34.54 percent, Asian and Pacific Islander population increased by 158.85 percent, and Other Race population increased by 348.23 percent (Table 6). Overall state of Nevada population from 1990 to 2000 increased by 66.27 percent. The Hispanic or Latino population in the state of Nevada increased by 269,551 persons, or 216.65 percent from 1990 to 2000.

Table 5. Trends in Population by Race for White Pine County, 1990 and 2000.

Race	1990		2000		Percentage Increase from 1990 to 2000
	Number	Proportionate Share (%)	Number	Proportionate Share (%)	
White	8,454	91.26	7,928	86.35	-6.22
Black or African-American	188	2.03	380	4.14	102.13
American Indian or Alaska Native	294	3.17	302	3.29	2.72
Asian and Pacific Islander	35	0.38	94	1.02	168.57
Other Race	293	3.16	477	5.02	62.80
Total	9,264	100.00	9,181	100.00	-0.90
Hispanic or Latino (of any race)	852	9.20	1,008	10.98	18.31

Source: U.S. Department of Commerce. "Table DP-1, Profile of General Demographic Characteristics: 2000." Bureau of Census: Washington, D.C., 2001.

Table 6. Trends in Population by Race for the State of Nevada, 1990 and 2000.

Race	1990		2000		Percentage Increase from 1990 to 2000
	Number	Proportionate Share (%)	Number	Proportionate Share (%)	
White	1,012,695	84.26	1,501,886	75.16	48.31
Black or African-American	78,711	6.55	135,477	6.78	71.99
American Indian or Alaska Native	19,637	1.63	26,420	1.32	34.54
Asian and Pacific Islander	38,127	3.17	98,692	4.94	158.85
Other Race	52,603	4.38	235,782	11.80	348.23
Total	1,201,833	100.00	1,998,257	100.00	66.27
Hispanic or Latino (of any race)	124,419	10.35	393,970	19.72	216.65

Source: U.S. Department of Commerce. "Table DP-1, Profile of General Demographic Characteristics: 2000." Bureau of Census: Washington, D.C., 2001.

For the nation from 1990 to 2000, White population increased by 5.90 percent, Black or African-American population increased by 15.58 percent, American Indian or Alaska Native population increased by 26.37 percent, Asian and Pacific Islander population increased by 46.31 percent, and Other Race population increased by 126.27 percent (Table 7). Overall, national population from 1990 to 2000 increased by 13.15 percent. The Hispanic or Latino population in the nation increased by 12,951,759 persons or 57.94 percent from 1990 to 2000.

Table 7. Trends in Population by Race in the United States, 1990 and 2000.

Race	1990		2000		Percentage Increase from 1990 to 2000
	Number	Proportionate Share (%)	Number	Proportionate Share (%)	
White	199,686,070	80.29	211,460,626	75.14	5.90
Black or African-American	29,986,060	12.06	34,658,190	12.32	15.58
American Indian or Alaska Native	1,959,234	0.79	2,475,956	0.88	26.37
Asian and Pacific Islander	7,273,662	2.92	10,641,791	3.78	46.31
Other Race	9,804,847	3.94	22,185,343	7.88	126.27
Total	248,709,873	100.00	281,423,906	100.00	13.15
Hispanic or Latino (of any race)	22,354,059	8.99	35,305,818	12.55	57.94

Source: U.S. Department of Commerce. "Table DP-1, Profile of General Demographic Characteristics: 2000." Bureau of Census: Washington, D.C., 2001.

Trends in the Census of Population by Race from 1990 to 2000 for White Pine County can be summarized below:

- In White Pine County, proportionate share of total county population that is White decreased from 91.26 percent in 1990 to 86.35 percent in 2000. This means that White Pine County White population declined by 526 people, or a 6.22 percent decrease.
- From 1990 to 2000, White Pine County Hispanic or Latino population increased by 156 persons, or an 18.31 percent increase from 1990 to 2000.
- Proportionate share of total White Pine County population that is Hispanic or Latino increased from 9.20 percent in 1990 to 10.98 percent in 2000.
- For the state of Nevada, proportionate share of total state population that is White decreased from 84.26 percent in 1990 to 75.16 percent in 2000 despite growing by 48.31 percent from 1990 to 2000.
- From 1990 to 2000, state of Nevada Hispanic or Latino population increased by 269,551 persons or a 216.65 percent increase from 1990 to 2000.
- Proportionate share of total state of Nevada population that is Hispanic or Latino increased from 10.35 percent in 1990 to 19.72 percent in 2000.
- For the nation, proportionate share of total national population that is White decreased from 80.29 percent in 1990 to 75.14 percent in 2000 despite growing by 5.90 percent from 1990 to 2000.
- From 1990 to 2000, national Hispanic or Latino population increased by 12,951,759 persons or a 57.94 percent increase from 1990 to 2000.
- Proportionate share of total national population that is Hispanic or Latino increased from 8.99 percent in 1990 to 12.55 percent in 2000.

State Demographer Population Growth and Stability, 1970 to 2004

The State of Nevada Demographer derives annual population estimates for the State of Nevada Department of Taxation (2004). Using these annual estimates, the county average of annual population growth rates and stability from 1970 to 2004 were developed and shown in Table 8. The average of White Pine County annual population growth rate was estimated to be -0.28 percent, which ranks White Pine County sixteenth among Nevada's seventeen counties. White Pine County also ranked first in instability of population growth rates. Results from Table 8 show White Pine County population growth to be unstable and decreasing. This instability is linked to the "boom-bust" nature of White Pine County's primary economic sector, which is mining.

The average of annual percentage growth rate of population (AAGR) used in Table 8 is the summation of each year's percentage change from 1970 to 2004 divided by the number of years:

$$AAGR = \frac{\sum_{t=1970}^{2004} \left(\frac{population_{t+1} - population_t}{population_t} \right)}{2004 - 1970}.$$

The instability index is the coefficient of variation, or the absolute value of the standard deviation of the series of annual population growth rates divided by AAGR as defined above. A high instability index indicates that the annual percentage population growth varies considerably over time. Such instability may be characteristic of a one sector county economy and may signify the need for local economic diversification.

Table 8. Nevada County Population Growth Rate and Stability Index, 1970 – 2004.

County	1970-2004		Instability	
	Average of Annual Growth Rates	Rank	Index	Rank
Nye	6.07	1	1.06	10
Douglas	5.85	2	0.64	14
Clark	5.52	3	0.26	17
Storey	5.26	4	1.06	11
Lyon	5.05	5	0.51	15
Carson City	3.80	6	0.85	12
Elko	3.68	7	1.09	8
Washoe	3.42	8	0.32	16
Humboldt	2.91	9	1.07	9
Pershing	2.80	10	1.37	7
Churchill	2.69	11	0.79	13
Esmeralda	2.46	12	4.78	3
Lander	2.30	13	2.97	5
Eureka	1.69	14	4.94	2
Lincoln	1.30	15	2.99	4
White Pine	-0.28	16	14.05	1
Mineral	-1.13	17	2.40	6
Nevada	4.77		0.22	

State Demographer Population Growth by Different Time Periods

Table 9 shows average annual compound percentage change in population and county ranks for Nevada's seventeen counties from 1970 to 2004. Also average annual compound growth rates and ranks are derived by each decade, that is, 1970 to 1979, 1980 to 1989, 1990 to 1999, and 2000 to 2004. In addition the two latest county growth rates and ranks were derived for 2003 and 2004.¹

It is interesting to look at the variability of White Pine County through time. From 1970 to 1979, White Pine County population decreased at an average annual rate of 2.46 percent. From 1980 to 1989, the average annual growth rate was positive at 0.64 percent and from 1990 to 1999, the average annual growth rate for White Pine County population was 0.41 percent, and from 2000 to 2004, White Pine County growth rate was -0.64 percent.

During the 1990's, only three counties realized negative average population growth rates (Lander, Mineral and Esmeralda Counties). However, from 2000 to 2004, six Nevada counties realized negative population growth rates (Eureka, Lander, Lincoln, Mineral, Pershing, and White Pine Counties). In 2003, six Nevada counties realized negative population growth rates, while in 2004 only two Nevada counties had negative population growth rates. Of interest is that in 2003, White Pine County population decreased by 0.24 percent but increased by 1.40 percent in 2004.

¹ Note that the compound growth rate will differ somewhat from the average of annual growth rates calculated in Table 8. Annual compound growth rate is calculated with the formula,
$$CGR = [(population_{\text{final year}} / population_{\text{initial year}})^{(1/t)}] - 1.$$

Table 9. Nevada Population by County Average Annual Compound Growth Rate, 1970 - 2004, by Decade, 2003 and 2004.

County	1970 - 2004 Growth Rate (%)	Rank	1970 - 1979 Growth Rate (%)	Rank	1980 - 1989 Growth Rate (%)	Rank	1990 - 1999 Growth Rate (%)	Rank	2000- 2004 Growth Rate (%)	Rank	2003 Growth Rate (%)	Rank	2004 Growth Rate (%)	Rank
Nye	5.89	1	4.62	6	7.63	1	6.27	1	3.72	3	4.60	2	4.17	6
Douglas	5.78	2	11.22	1	3.70	8	4.26	5	3.49	4	3.15	5	4.82	4
Clark	5.51	3	5.30	4	4.84	6	6.23	2	5.31	2	4.59	3	5.84	2
Storey	5.12	4	7.19	3	5.72	4	3.80	6	2.12	7	2.67	7	1.63	10
Lyon	5.02	5	4.37	7	4.47	7	5.70	3	5.76	1	6.36	1	8.25	1
Carson City	3.75	6	7.89	2	2.49	14	2.83	11	1.35	9	0.69	10	1.68	9
Elko	3.61	7	1.61	14	7.03	2	3.43	7	0.47	11	(1.66)	15	1.52	12
Washoe	3.41	8	4.82	5	2.95	11	2.97	10	2.91	5	3.84	4	2.74	7
Humboldt	2.87	9	3.37	10	3.23	9	3.08	9	0.76	10	0.91	9	1.43	13
Pershing	2.73	10	1.73	13	3.06	10	4.96	4	(1.52)	13	0.43	11	(4.74)	17
Churchill	2.67	11	2.75	12	2.89	12	3.25	8	1.96	8	2.76	6	1.15	15
Lander	2.09	12	3.45	9	4.90	5	(0.25)	15	(1.94)	14	(4.87)	17	1.52	11
Esmeralda	1.89	13	2.82	11	6.42	3	(2.90)	17	2.61	6	(0.80)	14	5.38	3
Eureka	1.36	14	0.71	15	2.66	13	1.20	12	(2.63)	17	2.60	8	4.51	5
Lincoln	1.23	15	4.02	8	0.20	17	0.91	13	(2.13)	16	(3.35)	16	1.95	8
White Pine	(0.36)	16	(2.46)	17	0.64	15	0.41	14	(0.64)	12	(0.24)	13	1.40	14
Mineral	(1.17)	17	(1.46)	16	0.43	16	(2.11)	16	(2.02)	15	(0.17)	12	(0.30)	16
Nevada	4.77	-	4.96	-	4.23	-	5.17	-	4.48	-	4.10	-	4.97	-

The trend in White Pine County population may be summarized below:

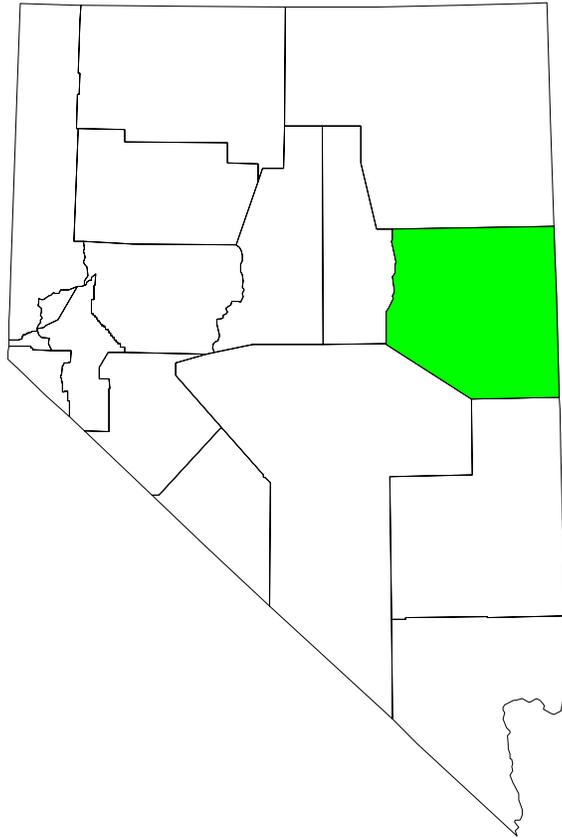
- White Pine County's 2000 population of 9,181 amounted to 0.46 percent of the state's total and ranked White Pine County 10th among Nevada's seventeen counties.
- From 1970 to 2004, White Pine County realized average annual population growth rates of -0.36 percent, which ranked White Pine County 16th among Nevada's seventeen counties.
- From 1970 to 2004, White Pine County ranked highest in instability index of Nevada's seventeen counties.
- White Pine County's average annual rate of population growth in the 1980's (0.64 percent) reversed some of the 1970's average (-2.46 percent) decline. In the 1990's White Pine County's average annual rate of population growth (0.41) percent was again positive. The 2000 to 2004 period witnessed a return to negative growth rates (-.64 percent). This population decline could be attributed to the decreased mineral mining sector activities
- In 2003, White Pine County population growth rate was negative, but this trend has reversed in 2004 with a positive population growth rate of 1.40 percent.
- From 2000 to 2004, six of Nevada's seventeen counties had negative average annual population growth rates. These counties were Eureka (-2.63 percent), Lander (-1.94 percent), Lincoln (-2.13 percent), Mineral (-2.02 percent), Pershing (-1.52 percent), and White Pine (-0.64 percent) Counties. All of these counties were heavily dependent upon the mining sector, which decreased operations from 2000 to 2004.
- The variability of county population growth rates from 1970 to 2004 indicates the dependency on a single economic sector such as mining. This indicates the need for economic diversification efforts in White Pine County.

References

- Hardcastle, Jeff. "Nevada County Population Estimates July 1, 1986 to July 1, 2004." The Nevada State Demographer's Office, University of Nevada, Reno, 2005.
- U.S. Department of Commerce. "Census 2000 Redistricting Data (PL-94-171) Summary File Table PL1 and 1990 Census." Bureau of Census: Washington, D.C., 2000 and 1990.
- U.S. Department of Commerce. "Table DP-1, Profile of General Demographic Characteristics: 2000." Bureau of Census: Washington, D.C., 2001.

SECTION II:

ANALYSIS OF PERSONAL AND PER CAPITA INCOME



Personal Income

In 2002, White Pine County residents received approximately \$228.6 million in personal income. Of this amount, approximately \$135.2 million were total earnings in the county in the form of wages and salaries, other labor income and proprietor's income. This number is adjusted to net earnings of approximately \$155.8 million by taking into account social security contributions and commuting adjustments. Almost \$36.5 million was in the form of unearned income from dividends, interest and rent. Approximately \$36.3 million came from transfer payments, such as social security, food stamps, unemployment payments and veteran's benefits. These income figures are shown in Table 10.

Table 10. Personal Income of White Pine County Residents, 2002.

Income Category	(\$1000)	(\$1000)
Wages and Salaries	\$98,896	
Supplements to wages and salaries	\$25,657	
Proprietor's Income	\$10,648	
Total Earnings in White Pine County		\$135,201
Less Personal Social Security Contributions	\$10,477	
Plus Residence/Commuting Adjustments	\$31,044	
Net Earnings of White Pine County Residents		\$155,768
Dividends, Interest, and Rent	\$36,544	
Transfer Payments	\$36,257	
Total Personal Income, White Pine County Residents		\$228,569
Per Capita Personal Income (dollars)		\$26,516

Source: U.S. Department of Commerce. "Regional Economic Information System." Bureau of Economic Analysis: Washington, D.C. 2004.

Social Security contributions are subtracted from total earnings in order to better measure income available to White Pine County residents before income taxes (a concept called personal income by economists). Approximately \$10.5 million of personal contributions to social insurance programs such as social security, Medicare, unemployment, etc. were paid by residents of White Pine County.

A commuting adjustment is made to total earnings since some people who earn income in White Pine County are not county residents. These people commute into the county to work and take their paycheck back to their county of residence. White Pine County residents do the same; work outside the county and bring income back to White Pine County. Approximately \$31.0 million more in income is earned by workers who live inside White Pine County, but work outside of White Pine County, than by residents who live outside the county but work in White Pine County. This value is added to total earnings in White Pine County to derive net earnings of White Pine County residents.

Table 11 gives the percentage breakdown of White Pine County's income by source, and presents similar data for the state and nation. Net earnings by White Pine County residents are approximately 68.15 percent of total personal income compared to 67.66 percent, and 68.07 percent for the state and nation, respectively. Dividends, interest and rents and transfer payments in White Pine County account for a smaller percentage of total personal income than in the state or nation. The last line of Table 11 shows that White Pine County's per capita income is lower than that of the state and nation. At \$26,516 White Pine County's 2002 income per capita was approximately 13.23 percent less than the state's \$30,559 and approximately 14.20 percent less than the nation's average of \$30,906.

Table 11. Comparison of Personal Income Sources, White Pine County, State of Nevada and the U.S., 2002.

Personal Income Source	White Pine County	Nevada	U.S.
	(%)	(%)	(%)
Wages and Salaries	43.27	57.10	55.84
Supplements to wages and salaries	11.23	11.77	11.66
Proprietor's Income	4.66	7.08	8.99
Less Personal Social Security Contributions	4.58	7.83	8.41
Plus Residence/Commuting Adjustments	13.58	-0.47	-0.01
Net Earnings of Residents	68.15	67.66	68.07
Dividends, Interest, and Rent	15.99	20.74	17.42
Transfer Payments	15.86	11.61	14.51
TOTAL	100.00	100.00	100.00
Per Capita Personal Income (dollars)	\$26,516	\$30,559	\$30,906

Source: U.S. Department of Commerce, "Regional Economic Information System." Bureau of Economic Analysis, Washington, D.C. 2004.

The trend in White Pine County personal income can be summarized as follows:

- Per capita income for White Pine County in 2002 was \$26,516, which was 13.23 percent less than the state's average (\$30,559) and 14.20 percent less than the nation's average (\$30,906).
- Total 2002 place of work earnings for White Pine County were \$135,201,000. Place of work earnings are adjusted by adding the net resident adjustment to derive resident earnings. For White Pine County, the net residence adjustment for 2002 was \$31,044,000. This means \$31,044,000 more was earned by people living in White Pine County but working outside White Pine County than by people living outside White Pine County and working in White Pine County. This may constitute an injection of potential spending in White Pine County.
- Proportionate share of total earnings from dividends, interest and rents; and transfer payments are 31.85 percent in White Pine County. This proportionate share is lower than the state value of 32.34 percent and the national value of 31.93 percent.

Per Capita Income

Economic quality of life is difficult to measure because of differences in cost of living and non-monetary income between locations. However, per capita income is still an important basis for comparing economic quality of life, especially among geographically similar areas. On this basis, the quality of life in White Pine County lags behind that of many Nevada counties. In Table 12 the 2002 per capita income for each county is shown, and in comparison, White Pine County has the 8th highest 2002 Nevada county per capita income level at \$26,516. In comparison, the 2002 per capita income level for the highest ranked county, Douglas County, was \$40,997 and the per capita income level for the lowest ranked county, Pershing County, was \$16,436.

Table 12. Nevada County Per Capita Income and Rank, 2002.

County	Per Capita Income	Rank
Douglas	\$40,997	1
Washoe	\$36,831	2
Carson City	\$32,522	3
Storey	\$29,609	4
Clark	\$29,396	5
Esmeralda	\$28,018	6
Churchill	\$27,234	7
White Pine	\$26,516	8
Lander	\$26,300	9
Humboldt	\$25,917	10
Nye	\$25,833	11
Elko	\$25,266	12
Eureka	\$23,927	13
Mineral	\$23,495	14
Lyon	\$23,340	15
Lincoln	\$21,135	16
Pershing	\$16,463	17
State of Nevada	\$30,559	
U.S.	\$30,906	

Source: U.S. Department of Commerce. "Regional Economic Information System." Bureau of Economic Analysis, Washington, D.C. 2004.

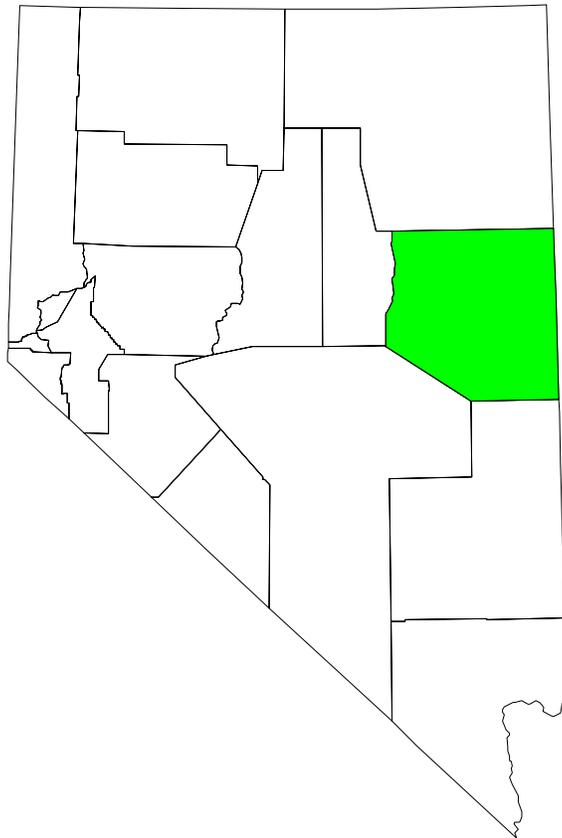
The trend in White Pine County 2002 per capita income can be summarized as follows:

- In 2002, the per capita income value for White Pine County was \$25,917, which ranked White Pine County 8th highest among Nevada's seventeen counties.
- In comparison, Douglas County had the highest per capita income value of the seventeen Nevada counties at \$40,997, which is approximately 58.19 percent above White Pine County's value.

References

U.S. Department of Commerce. "Regional Economic Information System." Bureau of Economic Analysis, Washington, D.C. 2004.

SECTION III:
ANALYSIS OF EDUCATIONAL DATA
AND NATIVE BORN DATA



Educational Attainment

High levels of educational attainment imply a skilled county workforce. Skilled workers add more value because of higher productivity and tend to be more adaptive to the changing demands of an economy. According to the 2000 census data, 82 percent of all adults 25 years of age or older in White Pine County graduated from high school or higher. This percentage was higher when compared to all adults statewide (80.7%) and nationally (80.4%). Approximately 11.8 percent of all adults 25 years and older in White Pine County graduated with bachelor’s degrees or higher. This percentage was lower when compared to the state value of 18.2 percent and the nation’s value at 24.4 percent.

Table 13. Educational Attainment for White Pine County, State of Nevada and the Nation, 2000.

Location	Percentage 25 years and older with high school degree or better (%)	Percentage 25 years and older with Bachelor’s degree or better (%)
White Pine	82.0	11.8
Nevada	80.7	18.2
U.S.	80.4	24.4

Source: U.S. Department of Commerce. “Census 2000 Summary File 3 (SF-3); DP-2 Profile of Selected Social Characteristics.” Bureau of Census: Washington, D.C., 2002.

The trend in White Pine County for educational attainment can be summarized as follows:

- In 2000, White Pine County’s proportionate share of people 25 years or older with a high school diploma or higher was 82.0 percent. This is higher than the state value of 80.7 percent and the national value of 80.4 percent.
- For the new economy (high-tech industries) the pool of college educated people is important. In 2000, White Pine County’s proportionate share of people 25 years or older with a bachelor’s degree or higher was 11.8 percent. This is lower than the state of Nevada value of 18.2 percent and the national value of 24.4 percent.

LENGTH OF RESIDENCE

From the 1990's to the 2000's, the state of Nevada was the fastest growing state in the nation. A unique feature of this rapid growth is that the state of Nevada has the lowest percentage of native-born Nevadans in their population. In 2000, only 21.3 percent of Nevada's population was native-born. The second lowest state was Florida with a native-born percentage of 32.7. This low number of native-born reflects a rapidly changing population, which might make it difficult to sustain long-term state economic development objectives.

Table 14 ranks the counties of the state of Nevada by percentage of native-born residents. In 2000, White Pine County had the highest proportionate share of native-born population at 42.3 percent. Clark County, the fastest growing county in the state, had only 19.1 percent of total county population born in the state of Nevada.

The trend in White Pine County for residence can be summarized as follows:

- In 2000, the state of Nevada was the fastest growing state in the union, but also had the lowest percentage of population born in the state. The percentage of native-born in the state of Nevada in 2000 was 21.3 percent, compared to 32.7 percent for the state of Florida, which was second lowest.
- The percentage of native-born population in White Pine County in 2000 was 42.7 percent, which ranked White Pine County as the highest of Nevada's seventeen counties.
- For comparison, Clark County, which was the state's most populous county in 2000, had only 19.1 percent of total county population born in the state of Nevada.
- White Pine County is unique in its percentage of native-born, which may reflect a populace with a better understanding of rural Nevada's unique "boom-bust" economic cycles.

Table 14. Nevada Counties Ranked by Percentage of Population Born in the State of Nevada, 2000.

County	Proportionate Share of County Population
White Pine	42.3
Mineral	38.0
Pershing	33.0
Lander	32.9
Humboldt	32.7
Eureka	30.2
Lincoln	29.9
Churchill	29.1
Elko	28.9
Lyon	26.9
Washoe	26.6
Carson City	23.8
Storey	22.9
Nye	20.0
Clark	19.1
Douglas	15.8
Esmeralda	14.3
State	21.3

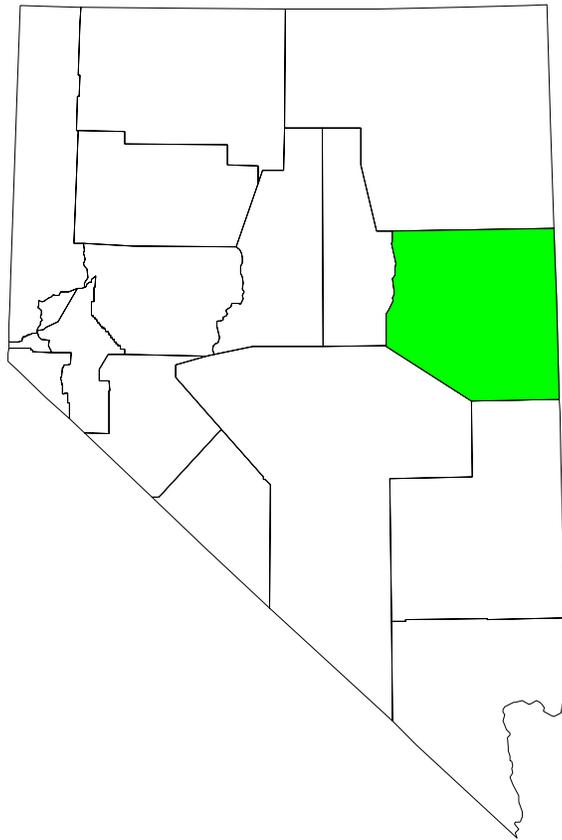
Source: U.S. Department of Commerce. "Census 2000 Summary File (SF-3); DP-2 Profile of Selected Social Characteristics." Bureau of Census: Washington, D.C., 2002.

References

U.S. Department of Commerce. "Census 2000 Summary File (SF-3); DP-2 Profile of Selected Social Characteristics." Bureau of Census: Washington, D.C., 2002.

SECTION IV:

ANALYSIS OF LABOR DATA



**Labor Force, Unemployment Rate, Number Unemployed, Resident Employed
and Industrial Employment**

Labor force is an economic statistic that shows the number of persons looking for employment or already employed. In the Mountain States when a mine closes, the unemployment rate may not increase, as in other areas of the nation. This occurs because people leave the area and as a consequence, the labor force declines. Table 15 compares labor force for White Pine County, state of Nevada and the United States from 2000 to 2003.

Table 15. Labor Force for White Pine County, Nevada, State of Nevada and U.S., 2000-2003.

Year	White Pine (number)	Nevada (1,000)	United States (1,000)
2000	3,050	1,058.7	142,583.0
2001	2,890	1,103.8	143,734.0
2002	3,070	1,121.7	144,863.0
2003	2,896	1,148.5	146,501.0

Source: State of Nevada Department of Employment, Rehabilitation and Training. "Labor Force, Employment, Unemployment, and Unemployment Rates (LAUS)." Research and Analysis Bureau: Carson City, Nevada, Various Issues.

From Table 15, White Pine County has had a variable labor force over the period from 2000 to 2003. For White Pine County, labor force declined by 5 percent over the past four years. The state of Nevada and the nation realized a steady increase in labor force from 2000 to 2003 (Table 15). The fluctuations in labor force in White Pine County reflect the variations in local mining activity.

Table 16 shows the problem that many Mountain State counties, like White Pine County in Nevada, face. With declining labor force values the unemployment rate does not reflect downturns in the mining economy. For White Pine County, unemployment rate was at its highest at 4.5 percent in 2001, which dropped to a low of 3.8 percent in 2002 and 2003. The unemployment rate for 2003 screens the effects of the mining sector slowdowns and closures because the labor force has decreased from 3,050 in 2000 to 2,896 in 2003.

Table 16. Unemployment Rate for White Pine County, State of Nevada and U.S., 2000-2003.

Year	White Pine (%)	Nevada (%)	United States (%)
2000	3.9	4.0	4.0
2001	4.5	5.3	4.7
2002	3.8	5.5	5.8
2003	3.8	5.1	6.0

Source: State of Nevada Department of Employment, Rehabilitation and Training. “Labor Force, Employment, Unemployment, and Unemployment Rates (LAUS).” Research and Analysis Bureau: Carson City, Nevada, Various Issues.

If only Tables 16 and 17 are examined, White Pine County seems to be rather well off. From Table 17, the number of unemployed in White Pine County has declined from 120 in 2000 to 111 in 2003. In particular, after the recession of 2001, White Pine County number of unemployed actually decreased. When the county number of unemployed is compared to national values, the decline in White Pine County unemployment is quite remarkable. The state of Nevada and the nation were profoundly impacted by the September 11th terrorist attacks and the national recession. The problem with comparing these values is that it fails to recognize the people who leave the county’s labor force, which artificially lowers the county’s unemployment rate and number of unemployed.

Table 17. Number of Unemployed for White Pine County, State of Nevada and U.S., 2000-2003.

Year	White Pine (number)	Nevada (1,000)	United States (1,000)
2000	120	42.5	5,692.0
2001	130	58.9	6,801.0
2002	120	61.8	8,378.0
2003	111	58.8	8,774.00

Source: State of Nevada Department of Employment, Rehabilitation and Training. “Labor Force, Employment, Unemployment, and Unemployment Rates (LAUS).” Research and Analysis Bureau: Carson City, Nevada, Various Issues.

A more reflective picture of the White Pine County economy is shown in Table 18. Table 18 shows the number of persons employed who live in White Pine County, or employment by place of residence. This value is derived as:

$$1. LF_r = EMP_r - INC_r + OUTC_r + UE_r$$

Where:

LF_r is labor force in county r;

EMP_r is employment by place of work in county r;

INC_r is the number of incommuters in county r. That is, the number of workers who live outside county r, but work in county r.

$OUTC_r$ is the number of outcommuters in county r. That is, the number of workers who live in county r, but work outside of county r; and

UE_r is the number of unemployed in county r.

Re-arranging equation 1:

$$2. LF_r - UE_r = EMP_r - INC_r + OUTC_r$$

$$3. REMP_r = LF_r - UE_r = EMP_r - INC_r + OUTC_r$$

Where $REMP_r$ is the number of resident employed who live in county r.

The outcommuter and incommuter values are derived from journey to work data estimated from census relationships. It should be noted that the incommuter and outcommuter values and relationships are adjusted every ten years.

Table 18. Resident Number Employed for White Pine County, State of Nevada and U.S., 2000 to 2003.

Year	White Pine (number)	Nevada (1,000)	United States (1,000)
2000	3,050	1,016.2	136,891.0
2001	2,760	1,044.9	136,933.0
2002	2,950	1,059.9	136,485.0
2003	2,785	1,089.7	137,736.0

Source: State of Nevada Department of Employment, Rehabilitation and Training. "Labor Force, Employment, Unemployment, and Unemployment Rates (LAUS)." Research and Analysis Bureau: Carson City, Nevada, Various Issues.

From Table 18, the number employed who reside in White Pine County has decreased from 3,050 in 2000 to 2,785 in 2003. For the state of Nevada, resident employment has steadily increased from 1,016,200 in 2000 to 1,089,700 in 2003. Nationally, resident employment from 2000 to 2003 increased from 136,891,000 in 2000 to 137,736,000 in 2003. Using resident

employment, White Pine County is showing stress. If only unemployment rate and number of unemployed are used to indicate stress, one comes to a different conclusion.

Table 19 shows covered employment by place of work for White Pine County, state of Nevada and the U.S. Covered employment is employment covered by unemployment insurance. Table 19 shows that covered employment for the state of Nevada increased steadily from 2000 to 2004. However, national covered employment decreased from 2000 until 2003, showing impacts of September 11th and the national recession. However, White Pine County covered employment fluctuated up and down over the period 2000 to 2003 until increasing significantly to 3,373 in 2004.

Table 19. Covered Employment Place of Work for White Pine County, State of Nevada and U.S., 2000 to 2004.

Year	White Pine (number)	Nevada (1,000)	United States (1,000)
2000	3,145	1,017.8	129,877.1
2001	3,031	1,043.5	129,635.8
2002	3,124	1,045.0	128,233.9
2003	3,039	1,080.6	127,795.8
2004	3,373	1,145.8	129,278.2

Source: State of Nevada Department of Employment, Rehabilitation, and Training. “Industrial Employment: Covered Employment (ES-202 Data).” Research and Analysis Bureau: Carson City, Nevada, Various Issues.

Therefore when comparing activity levels of mining counties such as White Pine County with others in the nation, the number of unemployed, or the unemployment rate, should not be the sole statistic used for evaluation. Since people are free to move, labor force, resident employed and covered employment values are important to detect loss of workforce, which can artificially lower the unemployment rate. By not including the labor force or covered employment trends, an incorrect picture could be drawn for the economy of White Pine County.

The trend in White Pine County for labor force, unemployment rate, number of unemployed, resident employed and covered employment can be summarized as follows:

- A county’s unemployment rate is often used as the singular statistic for county economic activity and government assistance. Unfortunately for many Mountain States which are resource industry dependent, the unemployment rate hides true economic viability. This

occurs because as county economic activity declines, people leave the county in pursuit of employment in other areas of the state and nation.

- Overall White Pine County unemployment rate decreased from 3.9 percent in 2000 to 3.8 percent in 2003. The number of unemployed in White Pine County decreased from 120 in 2000 to 111 in 2003. Overall White Pine County labor force decreased from 3,050 in 2000 to 2,896 in 2003. Overall White Pine County resident employment declined from 3,050 in 2000 to 2,785 in 2003. As for covered employment in White Pine County, covered employment decreased from 3,145 in 2000 to 3,039 in 2003. Subsequently, covered employment increased to 3,373 in 2004.
- These statistics show the fallacy in using a singular economic statistic such as unemployment rate to judge a county's economic activity or viability. As discussed earlier, White Pine County's unemployment rate and number employed has declined which often reflects a robust county economy. However, the labor force, resident employment and industrial employment declined over the same period, which reflects an economy in decline. This example shows that judgement of a county's vitality is quite complex and requires more than a singular economic statistic.
- An alternative statistic to estimate county economic vitality is the out-migration/population loss statistic. This statistic was developed from an EDA funded research publication by Feser and Sweeney (1998). Usually low income and high unemployment express tangible forms of economic stress, whereas population loss or stagnation and high out-migration may reflect either positive or negative economic outcomes. Out-migration may act as a positive force for a declining area as idle workers seek job opportunities in other regions, thereby reducing unemployment and demand for social services for declining areas. Out-migration and population loss (stagnation) exert an adverse impact on county economies by depleting critical human capital (encouraging "brain-drain") placing increased rather than decreased fiscal pressure on local governments and limiting subsequent development potential. For many "boom-bust" economies rapid population adjustments can damage fiscal positions of local governments as maintenance of infrastructure and services expanded during the boom must be financed by a smaller population with fewer financial resources following the bust.
- To estimate out-migration/population loss statistics, the employment data from the State of Nevada Department of Employment, Training and Rehabilitation needs to be augmented with annual county-level migration data from the U.S. Internal Revenue Service. Also the out-migration/population loss statistics developed by Feser and Sweeney (1998) may need to be adjusted to account for population stagnation.

References

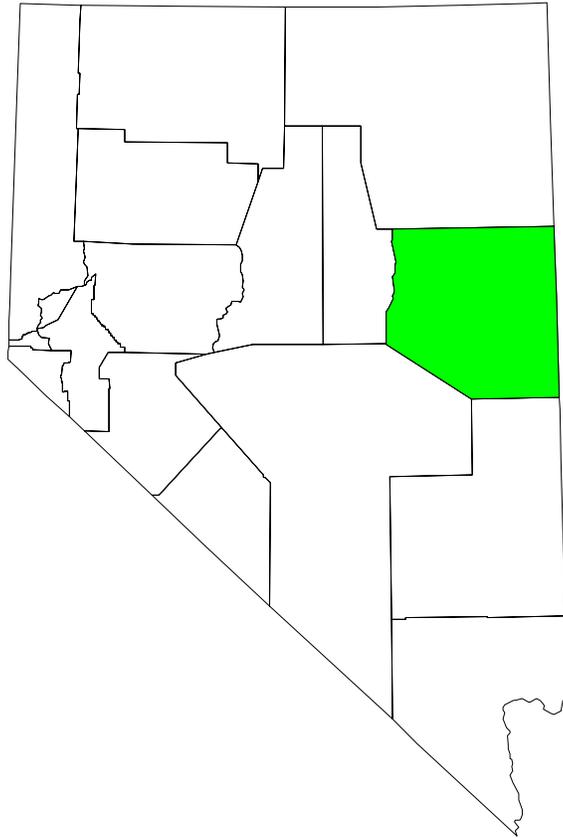
Feser, E. and S. Sweeney. "Out-Migration, Population, Decline, and Regional Economic Distress." U.S. Department of Commerce: Economic Development Administration: Washington, D.C., 1998.

State of Nevada Department of Employment, Rehabilitation and Training. "Labor Force, Employment, Unemployment, and Unemployment Rates (LAUS)." Research and Analysis Bureau: Carson City, Nevada, Various Issues.

State of Nevada Department of Employment, Rehabilitation, and Training. "Industrial Employment: Covered Employment (ES-202 Data)." Research and Analysis Bureau: Carson City, Nevada, Various Issues.

SECTION V:

ANALYSIS OF LAND OWNERSHIP



Land Ownership

In terms of land area, White Pine County ranks fifth largest in the state with 5,669,200 acres. Approximately 94 percent of the land in White Pine County is administered by the federal government with Bureau of Land Management managing approximately 77.50 percent of total White Pine County acreage. Table 20 shows the proportionate share of total White Pine County acreage by federal and state government administration and local government and private sector ownership. Only 5.07 percent of total White Pine County acreage is owned by local government and the private sector.

Table 20. Federal, State and Local Government and Private Sector Lands in White Pine County, 2000.

Categories	Acreage	Share of Total (%)
Federal Agencies:		
Bureau of Land Management	4,416,880	77.50
Forest Service	826,384	14.50
Other Federal Agencies	87,198	1.53
Total Federal Lands	5,330,462	93.53
Native American Reservations	70,670	1.24
State Government Lands	9,119	0.16
Local Government and Private Sector Lands	288,949	5.07
TOTAL	5,669,200	100.00

Source: Zimmerman, J. and T. Harris. *An Update of Federal and State Land-Based Payments in Nevada*. University of Nevada, Reno: Reno, Nevada, University Center for Economic Development Technical Report UCED 2000/01-06, 2000.

Trends in ownership and administration of land can be summarized as follows:

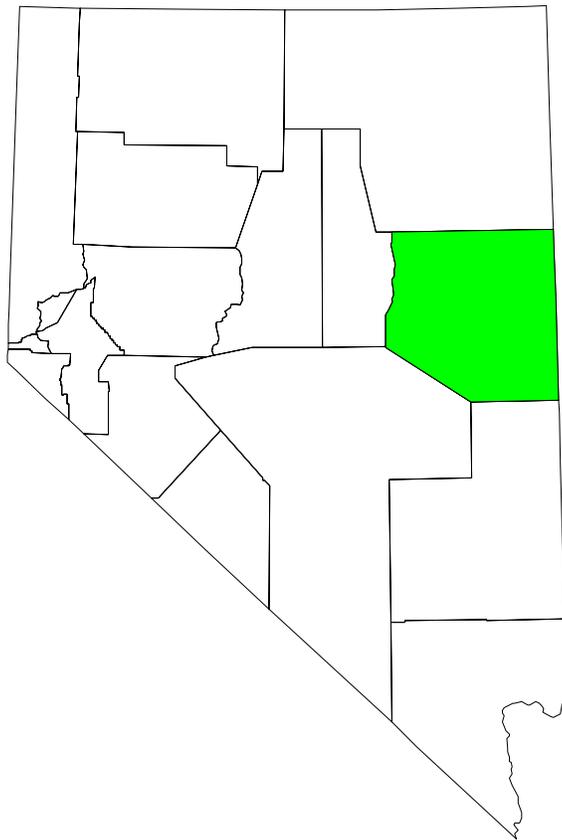
- White Pine County ranks fifth largest among Nevada’s seventeen counties with 5,699,200 acres.
- Approximately 94 percent of the White Pine County acreage is administered by the federal government with the Bureau of Land Management managing approximately 77.50 percent of total county acreage.
- Only 5.07 percent of total White Pine County acreage is owned by local government and the private sector.

References

Zimmerman, J. and T. Harris. *An Update of Federal and State Land-Based Payments in Nevada*. University of Nevada, Reno: Reno, Nevada, University Center for Economic Development Technical Report UCED 2000/01-06, 2000.

SECTION VI:

**ANALYSIS OF NATIONAL, STATE AND COUNTY ENTREPRENEURIAL
ACTIVITY**



Measurement of Entrepreneurial Activity

With the loss of export sector jobs in rural America and downsizing of employment by large corporations, serious questions arise regarding future employment for these released workers. Decreased employment in White Pine, particularly in the natural resource industry of mining, has produced uncertainty in the county's economy. Released workers have five options: leave White Pine County; become employed in another economic sector, probably at a lower pay scale, in White Pine County; work in an adjacent county and continue to live in White Pine County; become unemployed and continue to live in White Pine County; or become self-employed in White Pine County as sole proprietor or a partner in a business.

The number of self-employed are calculated for each county by the U.S. Bureau of Economic Analysis (U.S. Department of Commerce, 2001) using federal tax Form 1040 (Schedule C) for sole proprietorships and Form 1065 for partnership data. These estimates include individuals who may be otherwise employed but have additional income from self-employment and they may include multiple filings by the same individual. While proprietors cannot be equated with entrepreneurs, proprietors have more in common with entrepreneurs than wage and salary workers, workers who remain unemployed in White Pine County, or workers who leave the development district. Proprietors create new jobs for themselves and often for others.

The assessment of entrepreneurial activity in White Pine County will follow procedures outlined in a referenced study by Daphne Clones Corporation for Enterprise Development (1998). The factors used to estimate county entrepreneurial activity are listed below:

- **Employment Growth (%), 1969-2002**

This figure is calculated using the number of residents who are gainfully employed and is a key indicator of local economic growth. Unlike measure of economic output (how much in goods and services were sold) this measure tracks economic growth from the perspective of a community's residents and workforce.

- **Average Earnings Per Job (\$), 2002**

This figure indicates how much people are earning in the work force. This is a good indicator of the quality of jobs and economic opportunity in a county.

- **Per Capita Income (\$), 2002**

This figure is one of the most common measures of economic well-being. This figure shows how much money people have to buy goods and services and how much they can save. This figure is lower than average earnings per job, because it includes children and others not in the labor force.

- **Percentage of Proprietors to Wage and Salary Workers, 2002**

Dividing the number of proprietors by the number of wage and salary workers multiplied by one hundred shows the percentage of entrepreneurs that live in an area per wage employee. Almost always less than one hundred, the larger this measure, the greater the entrepreneurial activity in place. This percentage may somewhat exaggerate the strength of entrepreneurial activity.

- **Percentage of Proprietor's Income to Wages and Salaries, 2002**

Similar to the above measure, this number shows the amount of money coming into a community from proprietors earnings divided by the amount of money coming from wages multiplied by one hundred. The closer this number is to one hundred, the more important proprietors' income in sustaining local residents.

- **Annual Compound Percentage Growth in Number of Proprietors, 1969 to 2002**

This measure shows how the base of entrepreneurs is growing. A significant increase in number of proprietors can be interpreted as a response to either a strong or weak economy. In a strong economy, an increasing number of proprietors indicate a strengthening in the entrepreneurial base. In a weak economy, an increasing number of business owners may reflect "entrepreneurship of necessity" in which people supplement low income with small home-based enterprises. Either case is an opportunity for development with appropriate strategy.

- **Average Income Per Proprietor, 2002**

This measure helps to illustrate the financial success of a county's entrepreneurs. This value is usually lower than earnings per job.

- **Annual Compound Percentage Growth in Real Average Income for Proprietor, 1969 to 2002**

This measure indicates how well a county's entrepreneurs have been doing over time. The more local business-owners income increases, the more attractive it is for others to become entrepreneurs.

Table 21 shows the entrepreneurial factors for the seventeen counties of Nevada. The state of Nevada in response to its overall dynamic growth shows exceptional entrepreneurship activity. As for White Pine County, the area has realized an employment decrease overall since 1969. The ratio of proprietors to wage and salary workers is more than the state or national average. Also, the earnings of proprietors have been less, which could discourage further entrepreneurship growth.

Certain patterns of entrepreneurship activity emerge when reviewing Table 21. In comparing and contrasting entrepreneurship activity, one could look at employment growth and ratio of proprietors to wage and salary workers. Employment growth gives an overall indication of local job creation while the ratio of proprietors to wage and salary workers provides an indicator of a county's degree of dependence on proprietors for employment.

Table 21. Overall Economic and Entrepreneurship Activity Indicators for Nevada Counties, 1969-2002.

Nevada	Overall Economic Indicators			Entrepreneurship Indicators				
	County	Employment Growth (%) 1969-2002	Avg. Earnings Per Job (\$) 2002	Per Capita Income (\$) 2002	Percentage of Proprietors/W&S Workers 2002 (%)	Percentage of Proprietors Income/Wages 2002 (%)	Avg. Ann. Compound Growth Proprietors 1969-2002 (%)	Avg. Inc Per Proprietor 2002 (\$)
Churchill	294.09	28,230	27,234	65.43	23.75	5.41	11,147	3.16
Clark	606.33	39,438	29,396	16.36	12.12	7.68	25,700	7.42
Douglas	279.73	31,168	40,997	34.63	14.29	6.90	12,921	4.08
Elko	226.79	33,123	25,266	16.38	6.02	2.89	11,063	(0.46)
Esmeralda	16.57	27,480	28,018	38.25	1.84*	3.24	1,638	(4.25)*
Eureka	532.56	70,563	23,927	7.57	0.87	2.03	7,077	(3.94)
Humboldt	173.45	35,502	25,917	26.63	11.11	3.17	13,967	0.50
Lander	102.49	39,253	26,300	30.08	12.65	2.59	15,565	0.63
Lincoln	122.51	34,419	21,135	39.89	8.05	2.65	7,439	0.08
Lyon	412.98	28,030	23,340	30.17	10.06	4.76	9,205	1.31
Mineral	(27.54)	30,332	23,495	33.83	10.21	2.62	9,131	0.83
Nye	58.23	35,166	25,833	32.88	11.53	7.62	12,446	3.53
Pershing	106.16	33,956	16,463	19.14	2.24	0.52	3,749	(7.43)
Storey	255.62	30,488	29,609	49.37	8.81	4.88	6,156	(0.04)
Washoe	278.22	39,680	36,831	20.10	14.45	5.04	25,285	4.96
White Pine	(2.68)	32,896	26,516	27.60	10.77	1.26	11,978	(1.44)
Carson City	413.50	36,866	32,522	21.75	10.12	5.87	15,638	3.25
Nevada	432.11	38,798	30,559	18.49	12.40	6.31	23,180	5.67
USA	83.44	40,758	30,906	21.55	16.10	2.69	27,023	2.89

Source: U.S. Department of Commerce. "Regional Economic Information System." Table Bureau of Economic Analysis: Washington, D.C., 2003.

*Because Esmeralda County had less than \$50,000 in proprietor's income in 2002, proprietor income for the year was not reported in REIS. The asterisk numbers use 2001 data.

These two indicators provide a measure of relative contribution of entrepreneurship to job creation within a given county or region, however, it does not show overall county or region economic health. Table 22 shows classifications of county entrepreneurship activity.

Table 22. Classification of County or Region Entrepreneurship Activity.

Classification	Description
Entrepreneurship of Necessity	Counties or region with employment growth <u>less</u> than the U.S. average and ratio of entrepreneurs to workers <u>greater</u> than U.S.
Strong Job Growth and Strong Entrepreneurship	County's or region's employment growth <u>greater</u> than U.S. average and ratio of entrepreneurs to workers <u>greater</u> than U.S.
Strong Job Growth and Weak Entrepreneurship	County's or region's employment growth <u>greater</u> than U.S. average and ratio of entrepreneurs to workers <u>less</u> than U.S.
Weak Job Growth and Weak Entrepreneurship	County or region with employment growth <u>less</u> than U.S. average and ratio of entrepreneurs to workers <u>less</u> than U.S.

Source: Daphne Clones Corporation for Enterprise Development. "An Assessment of Entrepreneurship in Local Appalachian Economies, 1989-1994." Appalachian Regional Commission, Washington, D.C. 1998.

Using the classification system, four counties exhibit "Entrepreneurship of Necessity". Eight counties are classified in the largest category of "Strong Job Growth and Strong Entrepreneurship." Five counties are categorized as "Strong Job Growth and Weak Entrepreneurship. No counties are categorized as "Weak Economies and Weak Entrepreneurship."

White Pine County can be classified as "Entrepreneurship by Necessity." A policy issue to consider is whether White Pine County is being well served by both public and private providers of entrepreneurial assistance. If not, targeted demonstration projects could test whether enhanced services yield higher income growth and increased business information for White Pine County, which relies on entrepreneurship for growth.

The results of Table 22 help to identify counties with weak or strong entrepreneurial sectors. The table does not tell us why. Further research is required for dynamic entrepreneurship analysis. Additional geographic factors need to be examined, such as access to interstate highways or proximity to metropolitan areas. Finally, and most importantly, one must identify areas of need or assistance where none is currently available.

Trends in entrepreneurial activity in White Pine County can be summarized as follows:

- With loss of export jobs in rural America and the downsizing of employment by large corporations, entrepreneurship is an area of economic development to keep workers in rural America.
- Following an Economic Development Administration publication (Daphne Clones Corporation for Enterprise Development, 1998) for gauging local proprietorship activity, it was judged that White Pine County is an “Entrepreneurship by Necessity” county. This means that White Pine County from 1969 to 2002 has an employment growth rate lower than the national average and the ratio of entrepreneurs to workers was greater than the national average. However, given that income per proprietor in White Pine County is lower than the national or state average, public education programs in small business development (SBDC) could be advantageous in White Pine County.
- For entrepreneurial development, it is important for White Pine County decision makers to understand factors that enhance or retard county-level entrepreneurship formation and growth.

References

Daphne Clones Corporation for Enterprise Development. "An Assessment of Entrepreneurship in Local Appalachian Economies, 1989-1994." Appalachian Regional Commission, Washington, D.C. 1998.

U.S. Department of Commerce. "Regional Economic Information System." Bureau of Economic Analysis: Washington, D.C., 2004.

**ANALYSIS OF SOCIO-ECONOMIC DATA AND TRENDS FOR
WHITE PINE COUNTY, PART II:**

CHANGING BUSINESS COUNTS FROM 1998 TO 2001



**ANALYSIS OF SOCIO-ECONOMIC DATA AND TRENDS FOR
WHITE PINE COUNTY, PART II:
CHANGING BUSINESS COUNTS FROM 1998 TO 2001**

Rebecca Niell

Thomas R. Harris

Alexis Mann

Rebecca Niell is a Graduate Research Assistant in the Department of Resource Economics at the University of Nevada, Reno.

Thomas R. Harris is a Professor in the Department of Resource Economics and Director of the University Center for Economic Development at the University of Nevada, Reno.

Alexis Mann is an Undergraduate Assistant in the Department of Resource Economics at the University of Nevada, Reno.

January 2004

**UNIVERSITY
OF NEVADA
RENO**

The University of Nevada, Reno is an Equal Opportunity/Affirmative Action employer and does not discriminate on the basis of race, color, religion, sex, age, creed, national origin, veteran status, physical or mental disability, and in accordance with university policy, sexual orientation, in any program or activity it operates. The University of Nevada employs only United States citizens and aliens lawfully authorized to work in the United States.

This publication, *Analysis of Socio-Economic Data and Trends for White Pine County, Part II: Changing Business Counts from 1998 to 2001*, was published by the University Center for Economic Development in the Department of Resource Economics at the University of Nevada, Reno. Funds for this publication were provided by the United States Department of Commerce Economic Development Administration under University Centers Program contract #07-66-05359. This publication's statements, findings, conclusions, recommendations, and/or data represent solely the findings and views of the authors and do not necessarily represent the views of the U.S. Department of Commerce, the Economic Development Administration, White Pine County Commissioners, Great Basin College, State of Nevada Commission on Economic Development, University of Nevada, Reno, or any reference sources used or quoted by this study. Reference to research projects, programs, books, magazines, or newspaper articles does not imply an endorsement or recommendation by the authors unless otherwise stated. Correspondence regarding this document should be sent to:

Thomas R. Harris, Director
University Center for Economic Development
University of Nevada, Reno
Department of Resource Economics
Mail Stop 204
Reno, Nevada 89557-0105
Phone: 775/784-6499



UCED
University of Nevada, Reno
Nevada Cooperative Extension
Department of Resource Economics

**ANALYSIS OF SOCIO-ECONOMIC DATA AND TRENDS FOR
WHITE PINE COUNTY, PART II:**

CHANGING BUSINESS COUNTS FROM 1998 TO 2001

INTRODUCTION

The University Center for Economic Development conducted a study of the trends of number of businesses in White Pine County. The results of this study can be used for background material for a Comprehensive Economic Development Strategy (CEDS) in White Pine County and the feasibility analysis for a regional business incubator. The analysis will focus on changing business numbers by economic sector in White Pine County, and the information could show a demand for a local business incubator.

STUDY AREA

For this analysis, White Pine County was divided into the City of Ely Study Area and Rest of White Pine County Study Area. The zip codes that make up the City of Ely Study Area are 89301, 89315, 89318, and 89819, which includes Ely, McGill, and Ruth. All other zip codes in White Pine County were combined into the Rest of White Pine County Study Area. To derive trends in numbers of businesses in the two White Pine study areas, County Business Pattern data at the zip code level were used.

DATA

Zip code level White Pine County Business Pattern Data for 1998 and 2001 were used to derive changes in business numbers by economic sector. County Business Patterns is an annual series that provides information as to number of businesses and employment by business employment size for a community or zip code. Data tabulated at the industry level are defined by the North American Industry Classification System: United States (NAICS). Data were collected for 1998 and 2001 in order to derive trends in business numbers in White Pine County.

Economic sector employment was collected at the six-digit NAICS level for 1998 and 2001. The number of firms for White Pine County was classified as Very Small Businesses (1 to 4 employees), Small Businesses (5 to 19 employees), and All Other Businesses (20 to 1,000 or more employees).

Changes in number of firms and the percentage change in number of firms were calculated for each six-digit NAICS sector by the three business sizes and for the City of Ely

Study Area and Rest of White Pine County Study Area. By investigating these trends, selected small businesses that could benefit from a business incubator could be derived.

CITY OF WINNEMUCCA RESULTS

Tables 1 through 7 show trends in business numbers by NAICS six-digit sector from 1998 to 2001 for the City of Ely Study Area. Appendices 1 to 4 show the trends for each of the six-digit sectors. In 1998 the City of Ely Study Area had 204 total establishments. Of these 204 total establishments, 100 establishments or 49.02 percent of total City of Ely businesses were very small businesses (1 to 4 employee firms), 84 or 41.18 percent were small businesses (5 to 19 employee firms), and 20 or 9.80 percent were other businesses (firms with 20 or more employees). See Table 1 for a summary of these results.

In 1998 for the City of Ely Study Area, NAICS six-digit sectors with the largest number of firms were the Full-Service Restaurants Sector (NAICS 721110), and the Hotels (Excluding Casino Hotels) and Motel Sector (NAICS 721110) each with eight firms, and the Gasoline Stations and Convenience Stores Sector (NAICS 447110) with seven firms (as shown in Table 2).

Table 3 shows the sectors with the largest number of firms by business size in 1998. As for very small businesses or businesses in the City of Ely Study Area that hire 1 to 4 employees, the Single-Family Housing Construction Sector (NAICS 233210) and the Drinking Places (Alcoholic Beverages) Sector (NAICS 722410) had the largest number of very small businesses with four firms each, followed by the Hotels (Excluding Casino Hotels) and Motels Sector (NAICS 721110), the Insurance Agencies and Brokerages Sector (NAICS 524210), and Offices of Chiropractors Sector (NAICS 621310) each with three very small businesses.

As for small businesses or businesses that hire 5 to 19 employees in the City of Ely Study Area for 1998, the Full-Service Restaurants Sector (NAICS 722110) had the largest number of firms with six firms, followed by the Hotels (Excluding Casino Hotels) and Motels Sector (NAICS 721110) with four firms. The Gasoline Stations and Convenience Stores Sector (NAICS 447110), the Grocery (Except Convenience) Stores Sector (NAICS 445110), the Pharmacies and Drug Stores Sector (NAICS 446110), the Petroleum Bulk Stations and Terminals Sector (NAICS 422710), and the Commercial Banking Sector (NAICS 522110) followed with three small businesses each.

The two sectors that had the largest number of businesses that hire 20 employees or more in the City of Ely Study Area for 1998 are: Casino Hotels Sector (NAICS 721120) with four firms and the Gasoline Stations with Convenience Stores Sector (NAICS 447110) with two firms.

Appendix 2 shows the distribution of firms by size for six-digit NAICS sectors in the City of Ely Study Area in 2001. As shown in the summary in Table 1, in 2001 there were 191 firms in the City of Ely Study Area. Of the 191 firms, 52.36 percent or 100 firms were very small businesses, 38.22 percent or 73 firms were small businesses, and 9.24 percent or 18 firms were classified as other businesses.

As shown in Table 4, the six-digit NAICS sector with the most firms in the City of Ely Study Area in 2001 were the Hotels (Excluding Casino Hotels) and Motels Sector (NAICS 721110) with 10 firms, the Single-Family Housing Construction Sector (NAICS 233210) with nine firms, the Drinking Places (Alcoholic Beverages) Sector (NAICS 722410) with eight firms, and the Gasoline Stations with the Convenience Stores Sector (NAICS 447110) with seven firms.

Table 5 shows the sectors with the largest number of firms by business size in 2001. As for very small firms in the City of Ely Study Area, or firms that hired 1 to 4 employees, the NAICS sectors with the largest number of firms for 2001 were the Single-Family Housing Construction Sector (NAICS 233210) and Drinking Places (Alcoholic Beverages) Sector (NAICS 722410), each with six firms. The next largest NAICS sector by numbers of very small businesses was the Hotels (Excluding Casino Hotels) and Motels Sector (NAICS 721110) with five firms.

As for the small businesses in the City of Ely Study Area, or firms that hire 5 to 19 employees in 2001, the Hotels (Excluding Casino Hotels) and Motels Sector (NAICS 721110) had the largest number of firms in the small business category with four firms. Seven sectors had three firms in the small business category. These are: the Single-Family Housing Construction Sector (NAICS 233210), the Gasoline Stations with Convenience Stores Sector (NAICS 447110), the Full-Service Restaurants Sector (NAICS 722110), the Grocery (Except Convenience) Stores Sector (NAICS 445110), the Petroleum Bulk Stations and Terminals Sector (NAICS 422710), the Pharmacies and Drug Stores Sector (NAICS 446110), and the Commercial Banking Sector (NAICS 522110).

As for other businesses in the City of Ely Study Area, or firms with 20 or more employees, the Casino Hotels Sector (NAICS 721120) had the largest number of firms in the other business category in 2001 with three firms. Three NAICS sectors had two firms in the other business category. These NAICS sectors are the Gasoline Stations with Convenience Stores Sector (NAICS 447110), the Nursing Care Facilities Sector (NAICS 623110), and the Gold Ore Mining Sector (NAICS 212221).

Appendix 3 shows the changes in number of firms in the City of Ely Study Area for each sector from 1998 to 2001. As shown in the summary in Table 1, from 1998 to 2001 the total number of firms in the City of Winnemucca declined by 13 firms. As for the employment size of firm categories in the City of Ely Study Area, the number of very small businesses (firms that hire 1 to 4 employees) did not change, the small business firms (firms that hire 5 to 19 employees) declined by eleven firms, and firms in the other business category (firms that hire 20 or more employees) decreased two firms respectively. The overall decrease in the number of firms in the City of Ely Study Area from 1998 to 2001, including small businesses, indicates that there may be a need for a small business incubator in White Pine County.

From Table 6, the NAICS sector with the largest increase in number of firms from 1998 to 2001 in the City of Ely Study Area was the Single-Family Housing Construction Sector (NAICS 233210) with three additional firms from 1998 to 2001. The NAICS sectors with the largest decrease in number of businesses from 1998 to 2001 in the City of Ely Study Area were the Full-Service Restaurants Sector (NAICS 722110) and the Limited-Service Restaurants Sector (NAICS 722211), each with a decrease of three firms.

From Table 7, for very small businesses (firms that employ 1 to 4 workers), the Other Gasoline Stations Sector (NAICS 447190) realized the largest increase in number of firms with a three firm increase. The NAICS sector with the largest decrease in number of businesses for this employment category was the Roofing, Siding, and Sheet Metal Sector (NAICS 235610) with a two firm decrease.

From Table 7, for small businesses (firms that hire 5 to 19 employees), only eleven sectors increased in the number of small businesses from 1998 to 2001, and each only increases by one firm. Full-Service Restaurants Sector (NAICS 722110) realized the largest decrease in number of businesses for the small business category. This NAICS sector lost three firms from 1998 to 2001.

As for other businesses or firms that hire 20 or more employees, three NAICS sectors increased by one firm in this category from 1998 to 2001. These are the Gold Ore Mining Sector (NAICS 212221), the Industrial Nonbuilding Structure Construction Sector (NAICS 234930), and the Nursing Care Facilities Sector (NAICS 623110). Five NAICS sectors decreased in the number of firms with 20 or more employees, and each decreased by one firm. These sectors are the Petroleum Refineries Sector (NAICS 324110), the Casino Hotels Sector (NAICS 721120), the Offices of Physicians (Excluding Mental Health) Sector (NAICS 621111), the Copper Ore and Nickel Ore Mining Sector (NAICS 212234), and the Temporary Help Services Sector (NAICS 561320).

Appendix 4 shows the percentage changes of firms by NAICS sectors for the City of Ely Study Area from 1998 to 2001. As shown in the summary in Table 1, the City of Ely Study Area realized a 6.37 percent decrease in total number of firms from 1998 to 2001. However, by firm size, very small businesses (firms that hire 1 to 4 employees) realized no decrease in number of firms, while small businesses (firms that hire 5 to 19 employees) and other businesses (firms that hire 20 or more employees) realized 13.10 percent and 10.00 percent increase in number of firms, respectively, from 1998 to 2001. For the different business size categories, the NAICS sectors that did not exist in 1998 but existed in 2001 realized a percentage increase of infinity. Those NAICS sectors that ceased operation in the City of Ely Study Area from 1998 to 2001 realized a 100 percent decrease in number of firms.

Summary Tables for City of Ely Study Area Business Counts

Table 1 City of White Pine Business Counts by Establishment Size, 1998, 2001 and Change from 1998 to 2001

Type of Establishment	1998		2001		1998 to 2001 change	
	Number	Percentage	Number	Percentage	Change in Number	Percentage Change
Very Small (1 to 4 employees)	100	49.02%	100	52.36%	0	0 %
Small (5 to 19 employees)	84	41.18%	73	38.22%	-11	-13.10%
Other (more than 20 employees)	20	9.80%	18	9.24%	-2	-10.00%
Total	204	100%	191	100%	-13	-6.37%

Table 2 City of Ely, Three NAICS Sectors with largest number of total establishments, 1998

NAICS Code	NAICS Description	Total Establishments
722110	Full-service restaurants	8
721110	Hotels (Excluding Casino Hotels) & Motels	8
447110	Gasoline Stations with Convenience Stores	7

Table 3 City of Ely Study Area: NAICS Sectors with largest number of establishments by firm size, 1998

Top 5 Sectors by Number of Very Small Firms (1 to 4 employees)			Top 7 Sectors by Number of Small Firms (5 to 19 employees)			Top 2 Sectors by Number of Other Firms (20 or more employees)		
NAICS Code	NAICS Description	Number of Firms	NAICS Code	NAICS Description	Number of Firms	NAICS Code	NAICS Description	Number of Firms
233210	Single-family housing construction	4	722110	Full-service restaurants	6	721120	Casino Hotels	4
722410	Drinking Places (Alcoholic Beverages)	4	721110	Hotels (Excluding casino hotels) & Motels	4	447110	Gasoline Stations with Convenience Stores	2
721110	Hotels (Excluding Casino Hotels) & Motels	3	447110	Gasoline Stations with Convenience Stores	3			
524210	Insurance Agencies and Brokerages	3	445110	Grocery (Except Convenience) Stores	3			
621310	Offices of Chiropractors	3	446110	Pharmacies and Drug Stores	3			
			422710	Petroleum Bulk Stations and Terminals	3			
			522110	Commercial Banking	3			

Table 4 City of Ely Study Area, Five NAICS Sectors with largest number of total establishments, 2001

NAICS Code	NAICS Description	Total Establishments
721110	Hotels (Excluding Casino Hotels) & Motels	10
233210	Single-family housing construction	9
722410	Drinking Places (Alcoholic Beverages)	8
447110	Gasoline Stations with Convenience Stores	7

Table 5 City of Ely Study Area, NAICS Sectors with largest number of establishments by firm size, 2001

Top 3 Sectors by Number of Very Small Firms (1 to 4 employees)			Top 8 Sectors by Number of Small Firms (5 to 19 employees)			Top 4 Sectors by Number of Other Firms (20 or more employees)		
NAICS Code	NAICS Description	Number of Firms	NAICS Code	NAICS Description	Number of Firms	NAICS Code	NAICS Description	Number of Firms
233210	Single-family housing construction	6	721110	Hotels (Excluding Casino Hotels) & Motels	4	721120	Casino Hotels	3
722410	Drinking Places (Alcoholic Beverages)	6	233210	Single-family housing construction	3	447110	Gasoline Stations and Convenience Stores	2
721110	Hotels (Excluding Casino Hotels) & Motels	5	447110	Gasoline Stations and Convenience Stores	3	623110	Nursing Care Facilities	2
			722110	Full-service restaurants	3	212221	Gold Ore Mining	2
			445110	Grocery (Except Convenience) Stores	3			
			422710	Petroleum Bulk Stations and Terminals	3			
			446110	Pharmacies and Drug Stores	3			
			522110	Commercial Banking	3			

Table 6 City of Ely Study Area, NAICS Sectors with largest increase and largest decrease in number of total establishments, 1998 to 2001

NAICS Code	NAICS Description	Increase or Decrease in Number of Establishments
NAICS Sectors with increasing numbers of businesses, 1998 to 2001		
233210	Single-Family Housing Construction	3
NAICS Sectors with decreasing numbers of businesses, 1998 to 2001		
722110	Full-Service Restaurants	-3
722211	Limited-Service Restaurants	-3

Table 7A City of Ely Study Area, NAICS Sectors with largest increase in number of establishments by firm size, 1998 to 2001

Top Sector by Number of Very Small Firms (1 to 4 employees)			Top 11 Sectors by Number of Small Firms (5 to 19 employees)			Top 3 Sectors by Number of Other Firms (20 or more employees)		
NAICS Code	NAICS Description	Increase	NAICS Code	NAICS Description	Increase	NAICS Code	NAICS Description	Increase
447190	Other Gasoline Stations	3	233210	Single-family housing construction	1	212221	Gold Ore Mining	1
			331525	Copper foundries (except die-casting)	1	234930	Industrial Nonbuilding	1
			541330	Engineering services	1	623110	Nursing Care Facilities	1
			811310	Commercial equipment (exc auto & elec) R&M	1			
			212234	Copper ore & nickel ore mining	1			
			233110	Land subdivision & land development	1			
			531120	Lessors of nonres. bldg (exc miniwarehouses)	1			
			541219	Other accounting services	1			
			561320	Temporary help services	1			
			624229	Other community housing services	1			
			235610	Roofing, siding, & sheet metal contractors	1			

Table 7B City of Ely Study Area, NAICS Sectors with largest increase and decrease in number of establishments by firm size, 1998 to 2001

Bottom Sector by Number of Very Small Firms (1 to 4 employees)			Bottom Sector by Number of Small Firms (5 to 19 employees)			Bottom 5 Sectors by Number of Other Firms (20 or more employees)		
NAICS Code	NAICS Description	Increase	NAICS Code	NAICS Description	Increase	NAICS Code	NAICS Description	Increase
235610	Roofing, Siding, and Sheet Metal	-3	722110	Full-Service Restaurants	-3	324110	Petroleum Refineries	-1
						721170	Casino Hotels	-1
						621111	Offices of Physicians (Excluding Mental Health)	-1
						212234	Copper Ore and Nickel Ore Mining	-1
						561320	Temporary Help Services	-1

REST OF WHITE PINE COUNTY RESULTS

Appendices 5 to 8 show trends in business numbers by each of the NAICS six-digit sectors from 1998 to 2001 for the Rest of White Pine County Study Area. Tables 8 through 13 present summaries of this data. Table 8 shows that in 1998, the Rest of White Pine County Study Area had only 12 establishments, with 9 of these establishments or 75.00 percent of the total Rest of White Pine County Study Area businesses being very small businesses with 1 to 4 employees. In 1998 for the Rest of White Pine County Study Area businesses, small businesses or businesses that hire 5 to 19 employees accounted for 16.67 percent of the total Rest of White Pine County Study Area businesses, while only one (8.33 percent of the total Rest of White Pine County Study Area businesses) hired 20 or more employees.

From Table 9, Full-Service Restaurants Sector (NAICS 722110) had the largest number of firms in 1998 with two firms. Ten NAICS sectors present in the Rest of White Pine County Study Area in 1998 had one firm each. These NAICS sectors were Logging Sector (NAICS 113310), the Electric Power Distribution Sector (NAICS 221122), the Farm and Garden Machinery and Equipment Wholesale Sector (NAICS 421820), the Convenience Stores Sector (NAICS 445120), the Gasoline Stations with Convenience Stores Sector (NAICS 447110), the Other Clothing Stores Sector (NAICS 448190), the Book Stores Sector (NAICS 451211), the Gift, Novelty, and Souvenir Stores Sector (NAICS 453220), the Hotels (except Casino Hotels) & Motels Sector and the General Freight Trucking, Long-Distance, TL Sector (NAICS 484121).

As shown in table 10, all except for three firms in the Rest of White Pine County Study Area in 1998 were very small firms or firms that hire 1 to 4 employees. These very small firms are the two firms in the Full-Service Restaurants Sector (NAICS 722110), and one firm in each of the Logging Sector (NAICS 113310), the Electric Power Distribution Sector (NAICS 221122), the Farm and Garden Machinery & Equipment Wholesale Sector (NAICS 421820), the Convenience Store Sector (NAICS 445120), the Gasoline Stations with Convenience Stores Sector (NAICS 447110), the Other Clothing Stores Sector (NAICS 448190), the Book Stores Sector (NAICS 451211), and the Gift, Novelty, and Souvenirs Stores Sector (NAICS 453220).

As for small businesses or firms that hires between 5 and 19 employees in the Rest of White Pine County Study Area, the General Freight Trucking, Long-Distance, TL Sector (NAICS 484121) had one firm in 1998 as well as the Hotels (except Casino Hotels) & Motels Sector (NAICS 721110).

As for other businesses or firms that hire 20 or more employees in the Rest of White Pine County Study Area for 1998, only the Farm and Garden Machinery and Equipment Wholesale Sector (NAICS 421820) was in this category.

Appendix 6 shows the distribution of firms by business size for six-digit NAICS sectors in the Rest of White Pine County Study Area in 2001. In 2001, there were 14 firms in the Rest of White Pine County Study Area. Of these 14 firms, 57.14 percent or 8 firms were very small businesses, 42.86 percent or 6 firms were small businesses, and no firms hired 20 or more employees. See Table 8 to compare this summary with the 1998 summary.

As shown in Table 11, in 2001, the Full-Service Restaurants Sector (NAICS 72210) had the largest number of firms with two firms in the Rest of White Pine County Study Area. Twelve other sectors had one firm each. These were the Logging Sector (NAICS 113310), the Electric Power Distribution Sector (NAICS 221122), the All Other Heavy Construction Sector (NAICS 234990), the Farm and Garden Machinery and Equipment Wholesale Sector (NAICS 421820), the Convenience Stores Sector (NAICS 445120), the Gasoline Stations with Convenience Stores Sector (NAICS 447110), the Book Stores Sector (NAICS 451211), the Gift, Novelty, and Souvenir Stores Sector (NAICS 453220), the General Freight Trucking, Local Sector (NAICS 4841110), the General Freight Trucking, Long-Distance, LTL Sector (NAICS 484122), the Hotels (except Casino Hotels) & Motels Sector (NAICS 721110) and the Insurance and Pension Funds, Third Party Administration Sector (NAICS 524292).

Table 12 displays the sectors with the largest number of firms by firm size. As for very small businesses (firms with 1 to 4 employees) in the Rest of White Pine County Study Area in 2001, eight NAICS sectors had one firm each. These sectors are: the Full-Service Restaurants Sector (NAICS 722110), Electric Power Distribution Sector (NAICS 221122), the Convenience Stores Sector (NAICS 445120), the Book Stores Sector (NAICS 451211), the Gift, Novelty, and Souvenir Stores Sector (NAICS 453220), the General Freight Trucking, Local Sector (NAICS 4841110), the General Freight Trucking, Long-Distance, LTL Sector (NAICS 484122), and the Insurance and Pension Funds, Third Party Administration Sector (NAICS 524292).

As for small businesses (firms with 5 to 19 employees) in the Rest of White Pine County Study Area in 2001, six NAICS sectors had one firm each. These sectors are the Full-Service Restaurants Sector (NAICS 722110), the Logging Sector (NAICS 113310), the All Other Heavy Construction Sector (NAICS 234990), the Farm and Garden Machinery and Equipment

Wholesale (NAICS 421820), the Hotels (except Casino Hotels) & Motels Sector (NAICS 721110) and the Gasoline with Convenience Stores Sector (NAICS 447110).

In 2001 no 6-digit NAICS sectors had firms that hire 20 or more employees in the Rest of White Pine County Study Area.

Appendix 7 shows changes in the number of firms in the Rest of White Pine County Study Area from 1998 to 2001. Table 8 contains a summary of this information. From 1998 to 2001 the total number of firms in the Rest of White Pine County Study Area increased by two firms. As for the employment size categories in the Rest of White Pine County Study Area, the number of very small firms declined by one firm, the number of small firms increased by four firms, and the number of other businesses decreased by one firm.

From Table 13, four NAICS sectors increased in number of firms from 1998 to 2001 in the Rest of White Pine County Study Area. These NAICS sectors increased by one firm each and are: the All Other Heavy Construction Sector (NAICS 234990), the General Freight Trucking, Local Sector (NAICS 484110), the General Freight Trucking, Long-Distance, LTL Sector (NAICS 484122), and the Insurance and Pension Funds, Third Party Administration Sector (NAICS 524292). The Other Clothing Stores Sector (NAICS 448190) is the only sector that declined in number of firms and it lost only one firm.

From Table 14A and B, for very small businesses (firms with 1 to 4 employees), three sectors showed a one firm increase from 1998 to 2002 in the Rest of White Pine County Study Area. These are the General Freight Trucking, Long-Distance, LTL Sector (NAICS 484122), and the Insurance and Pension Funds, Third Party Administration Sector (NAICS 524292). Four NAICS sectors lost one very small business. These are the Other Clothing Stores Sector (NAICS 448190), the Logging Sector (NAICS 113310), the Gasoline Stations with Convenience Stores Sector (NAICS 447110), and the Full-Service Restaurants Sector (NAICS 722110).

From Table 14 for small businesses (firms that hire 5 to 19 employees), five sectors increased in small business firms from 1998 to 2001 for the Rest of White Pine County Study Area. These sectors increased by one firm and are: the Logging Sector (NAICS 113310), the Gasoline Stations with Convenience Stores Sector (NAICS 447110), the Full-Service Restaurants Sector (NAICS 722110), the Farm and Garden Machinery and Equipment Wholesale Sector (NAICS 421820), and the All Other Heavy Construction Sector (NAICS 234990). Only

the General Freight Trucking, Long-Distance, TL Sector (NAICS 484121) decreased in the number of small businesses by one.

As for other businesses (firms that hire 20 or more employees), Only the Farm and Garden Machinery and Equipment Wholesale Sector (NAICS 421820) changed in the number of firms, and it decreased by one.

Appendix 8 shows the percentage changes of firms by NAICS sectors for the Rest of White Pine County Study Area from 1998 to 2001. From Table 8, the Rest of White Pine County Study Area realized a 18.18 percent increase in total firms from 1998 to 2001. By firm size, very small businesses (firms with 1 to 4 employees) realized a 16.67 percent decrease in firms, small businesses (firms with 5 to 19 employees) realized a 200.0 percent increase in firms, and other businesses (firms with 20 or more employees) decreased by 100.00 percent. For different business size types, NAICS sectors that did not exist in 1998, but existed in 2001, realized a percentage increase of infinity. Those NAICS sectors that existed in 1998, but did not exist in 2001 realized a 100 percent decrease in number of firms.

SUMMARY

The purpose of this publication was to provide information and trends as to very small and small businesses in the City of Ely and the Rest of White Pine County Study Areas. Results of this publication can be used for background material in developing a White Pine County Comprehensive Economic Development Strategy (CEDS) and for the feasibility analysis of a regional business incubator.

Table 8: Rest of White Pine County Business Counts by Establishment Size, 1998, 2001 and Change from 1998 to 2001

Type of Establishment	1998		2001		1998 to 2001 change	
	Number	Percentage	Number	Percentage	Change in Number	Percentage Change
Very Small (1 to 4 employees)	9	81.82%	8	61.54%	-1	-11.11%
Small (5 to 19 employees)	2	9.09%	6	46.15%	+4	+200.00%
Other (more than 20 employees)	1	9.09%	0	0%	-1	-100.00%
Total	12	100%	14	100%	+2	+16.67%

Table 9 Rest of White Pine County Study Area, All NAICS Sectors with existing establishments, 1998

NAICS Code	NAICS Description	Total Establishments
722110	Full-service restaurants	2
721110	Hotels (exc casino hotels) & motels	1
113310	Logging	1
221122	Electric Power Distribution	1
421820	Farm and Garden Machinery and Equipment Wholesale	1
445120	Convenience Stores	1
447110	Gasoline Stations with Convenience Stores	1
448190	Other Clothing Stores	1
451211	Book Stores	1
453220	Gift, Novelty, and Souvenirs Stores	1
484121	General Freight Trucking, Long-Distance, TL	1

Table 10 Rest of White Pine County Study Area, NAICS Sectors of establishments by firm size, 1998

Sectors of Very Small Firms (1 to 4 employees)			Sectors of Small Firms (5 to 19 employees)			Sectors of Other Firms (20 or more employees)		
NAICS Code	NAICS Description	Number of Firms	NAICS Code	NAICS Description	Number of Firms	NAICS Code	NAICS Description	Number of Firms
722110	Full-service restaurants	2						
113310	Logging	1						
221122	Electric Power Distribution	1						
445120	Convenience Stores	1	484121	General Freight Trucking, Long-Distance, TL	1			
447110	Gasoline Stations with Convenience Stores	1	721110	Hotels (exc. casino hotels) & motels	1	421820	Farm and Garden Machinery and Equipment Wholesale	1
453220	Gift, Novelty, and Souvenirs Stores	1						
448190	Other Clothing Stores	1						
451211	Book Stores	1						

Table 11 Rest of White Pine County Study Area, NAICS Sectors for all establishments, 2001

NAICS Code	NAICS Description	Total Establishments
722110	Full-service restaurants	2
113310	Logging	1
221122	Electric Power Distribution	1
234990	All Other Heavy Construction	1
421820	Farm and Garden Machinery and Equipment Wholesale	1
445120	Convenience Stores	1
447110	Gasoline Stations with Convenience Stores	1
451211	Book Stores	1
453220	Gift, Novelty, and Souvenir Stores	1
484110	General Freight Trucking, Local	1
484122	General Freight Trucking, Long-Distance, LTL	1
524292	Insurance and Pension Funds, Third Party Administration	1
721110	Hotels (exc. casino hotels) & motels	1

Table 12 Rest of White Pine County Study Area, NAICS Sectors with largest number of establishments by firm size, 2001

Sectors of Very Small Firms (1 to 4 employees)			Sectors of Small Firms (5 to 19 employees)			Sector of Other Firms (20 or more employees)		
NAICS Code	NAICS Description	Number of Firms	NAICS Code	NAICS Description	Number of Firms	NAICS Code	NAICS Description	Number of Firms
722110	Full-service restaurants	1	722110	Full-service restaurants	1		None	
221122	Electric Power Distribution	1	113310	Logging	1			
445120	Convenience Stores	1	234990	All Other Heavy Construction	1			
451211	Book Stores	1	421820	Farm and Garden Machinery and Equipment Wholesale	1			
453220	Gift, Novelty, and Souvenir Stores	1	447110	Gasoline stations with convenience stores	1			
484110	General Freight Trucking, Local	1	721110	Hotels (exc casino hotels) & motels	1			
484122	General Freight Trucking, Long-Distance, LTL	1						
524292	Insurance and Pension Funds, Third Party Administration	1						

Table 13 Rest of White Pine County Study Area, NAICS Sectors with largest increase and largest decrease in number of total establishments, 1998 to 2001

NAICS Code	NAICS Description	Increase or Decrease in Number of Establishments
NAICS Sectors with increasing numbers of businesses, 1998 to 2001		
234990	All Other Heavy Construction	1
484110	General Freight Trucking, Local	1
484122	General Freight Trucking, Long-Distance, LTL	1
524292	Insurance and Pension Funds, Third Party Administration	1
NAICS Sectors with decreasing numbers of businesses, 1998 to 2001		
448190	Other Clothing Stores	-1

Table 14A Rest of White Pine County Study Area, 5 NAICS Sectors with largest increase in number of establishments by firm size, 1998 to 2001

Top Sectors by Number of Very Small Firms (1 to 4 employees)			Top Sectors by Number of Small Firms (5 to 19 employees)			Top Sectors by Number of Other Firms (20 or more employees)		
NAICS Code	NAICS Description	Increase	NAICS Code	NAICS Description	Increase	NAICS Code	NAICS Description	Increase
484110	General Freight Trucking, Local	1	113310	Logging	1		No change	
484122	General Freight Trucking, Long-Distance, LTL	1	447110	Gasoline stations with convenience stores	1			
524292	Insurance and Pension Funds, Third Party Administration	1	722110	Full-service restaurants	1			
			421820	Farm and Garden Machinery and Equipment Wholesale	1			
			234990	All Other Heavy Construction	1			

Table 14B Rest of White Pine County Study Area, NAICS Sectors with largest decrease in number of establishments by firm size, 1998 to 2001

Bottom Sectors by Number of Very Small Firms (1 to 4 employees)			Bottom Sectors by Number of Small Firms (5 to 19 employees)			Bottom Sectors by Number of Other Firms (20 or more employees)		
NAICS Code	NAICS Description	Increase	NAICS Code	NAICS Description	Increase	NAICS Code	NAICS Description	Increase
448190	Other Clothing Stores	-1	484122	General Freight Trucking, Long-Distance, TL	-1	421820	Farm and Garden Machinery and Equipment Wholesale	-1
113310	Logging	-1						
447110	Gasoline stations with convenience stores	-1						
722110	Full-service restaurants	1						

Appendix 1. City of Ely, Number of Firms by Size, 1998.

NAICS Code	NAICS Description	Number of Firms			
		Total Establish.	Number of Employees		
			1 to 4	5 to 19	20+
113310	Logging	0	0	0	0
212221	Gold ore mining	3	0	2	1
212234	Copper ore & nickel ore mining	1	0	0	1
213112	Oil & gas operations support activities	2	0	2	0
221122	Electric power distribution	1	0	0	1
233110	Land subdivision & land development	1	1	0	0
233210	Single-family housing construction	6	4	2	0
233310	Mfg & industrial building construction	0	0	0	0
234930	Industrial nonbuilding structure construction	1	0	1	0
234990	All other heavy construction	2	0	2	0
235110	Plumbing, heating & AC contractor	3	2	1	0
235210	Painting & wall covering contractors	1	0	1	0
235310	Electrical contractors	3	1	2	0
235420	Drywall, acoustical & insulation contractors	1	1	0	0
235510	Carpentry contractors	1	1	0	0
235610	Roofing, siding, & sheet metal contractors	2	2	0	0
235710	Concrete contractors	0	0	0	0
235930	Excavation contractors	0	0	0	0
235990	All other special trade contractors	0	0	0	0
323110	Commercial lithographic printing	1	1	0	0
324110	Petroleum refineries	1	0	0	1
327320	Ready-mix concrete mfg	1	0	1	0
327390	Other concrete product mfg	1	1	0	0
327992	Ground or treated mineral & earth mfg	1	0	1	0

Appendix 1. Continued.

NAICS Code	NAICS Description	Number of Firms			
		Total Establish.	Number of Employees		
			1 to 4	5 to 19	20+
331525	Copper foundries (except die-casting)	0	0	0	0
332710	Machine shops	1	1	0	0
421120	Motor vehicle supplies & new parts whsle	2	1	1	0
421140	Motor vehicle parts (used) whsle	1	0	1	0
421490	Oth professional equipment & supplies whsle	1	0	1	0
421820	Farm & garden machinery & equipment whsle	0	0	0	0
421840	Industrial supplies whsle	1	1	0	0
421930	Recyclable material whsle	1	1	0	0
422490	Other grocery & related products whsle	1	1	0	0
422520	Livestock whsle	1	0	1	0
422710	Petroleum bulk stations & terminals	3	0	3	0
422720	Petroleum prod whsle (exc bulk sta, terminals)	1	1	0	0
422810	Beer & ale whsle	1	0	1	0
422990	Other miscellaneous nondurable goods whsle	1	1	0	0
441110	New car dealers	2	0	1	1
441120	Used car dealers	1	1	0	0
441310	Automotive parts, accessories & tire stores	1	0	1	0
442110	Furniture stores	1	0	1	0
442210	Floor covering stores	1	0	1	0
444110	Home centers	1	0	0	1
444120	Paint & wallpaper stores	1	1	0	0
444220	Nursery & garden centers	1	1	0	0
445110	Grocery (except convenience) stores	5	1	3	1
445120	Convenience stores	0	0	0	0
445210	Meat markets	0	0	0	0
445310	Beer, wine & liquor stores	1	1	0	0
446110	Pharmacies & drug stores	4	1	3	0

Appendix 1. Continued.

NAICS Code	NAICS Description	Number of Firms			
		Total Establish.	Number of Employees		
			1 to 4	5 to 19	20+
446199	All other health & personal care stores	1	1	0	0
447110	Gasoline stations with convenience stores	7	2	3	2
447190	Other gasoline stations	3	1	2	0
448140	Family clothing stores	2	1	1	0
448190	Other clothing stores	0	0	0	0
448310	Jewelry stores	1	1	0	0
451110	Sporting goods stores	0	0	0	0
451130	Sewing, needlework & piece goods stores	1	1	0	0
451211	Book stores	0	0	0	0
452990	All other general merchandise stores	1	0	1	0
453110	Florists	2	0	2	0
453220	Gift, novelty & souvenir stores	2	1	1	0
453910	Pet & pet supplies stores	1	1	0	0
454312	Liquefied petroleum gas (bottled gas) dealers	3	1	2	0
484110	General freight trucking, local	1	0	1	0
484121	General freight trucking, long-distance, TL	0	0	0	0
484122	General freight trucking, long-distance, LTL	0	0	0	0
484210	Used household & office goods moving	1	1	0	0
484220	Specialized freight (exc used) trucking, local	1	0	1	0
484230	Specialized freight (exc used) trucking, LDist	2	1	1	0
488410	Motor vehicle towing	1	1	0	0
492110	Couriers	1	1	0	0
511110	Newspaper publishers	1	0	1	0
513112	Radio stations	1	1	0	0
513310	Wired telecommunications carriers	1	0	1	0
513322	Cellular & other wireless telecommunications	1	1	0	0

Appendix 1. Continued.

NAICS Code	NAICS Description	Number of Firms			
		Total Establish.	Number of Employees		
			1 to 4	5 to 19	20+
522110	Commercial banking	3	0	3	0
522130	Credit unions	2	1	1	0
524127	Direct title insurance carriers	1	1	0	0
524210	Insurance agencies & brokerages	3	3	0	0
524292	Insurance & pension funds, third party admin	0	0	0	0
531110	Lessors of residential buildings & dwellings	2	2	0	0
531120	Lessors of nonres. bldg (exc miniwarehouses)	1	1	0	0
531190	Lessors of other real estate property	1	1	0	0
531210	Offices of real estate agents & brokers	2	0	2	0
531311	Residential property managers	1	0	1	0
532230	Video tape & disc rental	1	0	1	0
541110	Offices of lawyers	3	2	1	0
541211	Offices of certified public accountants	1	1	0	0
541213	Tax preparation services	1	1	0	0
541219	Other accounting services	1	1	0	0
541330	Engineering services	2	2	0	0
541370	Surveying, mapping (exc geophysical) services	1	1	0	0
541380	Testing laboratories	1	1	0	0
541611	Admin & gen management consulting services	1	1	0	0
541613	Marketing consulting services	0	0	0	0
541940	Veterinary services	2	2	0	0
551114	Corp, subsidiary & regional managing offices	1	1	0	0
561320	Temporary help services	1	0	0	1
561492	Court reporting & stenotype services	0	0	0	0
561720	Janitorial services	1	1	0	0
561920	Convention & trade show organizers	1	1	0	0

Appendix 1. Continued.

NAICS Code	NAICS Description	Number of Firms			
		Total Establish.	Number of Employees		
			1 to 4	5 to 19	20+
562111	Solid waste collection	1	0	1	0
562991	Septic tank & related services	1	1	0	0
621111	Offices of physicians (exc mental health)	1	0	0	1
621210	Offices of dentists	3	2	1	0
621310	Offices of chiropractors	3	3	0	0
621320	Offices of optometrists	1	1	0	0
621498	All other outpatient care centers	1	0	0	1
621610	Home health care services	1	0	1	0
622110	General medical & surgical hospitals	1	0	0	1
623110	Nursing care facilities	1	0	0	1
624120	Services for elderly & disabled persons	1	0	1	0
624190	Other individual & family services	3	2	1	0
624229	Other community housing services	1	1	0	0
624410	Child day care services	1	0	1	0
712110	Museums	2	1	1	0
713950	Bowling centers	1	0	1	0
721110	Hotels (exc casino hotels) & motels	8	3	4	1
721120	Casino hotels	4	0	0	4
721211	RV parks & campgrounds	1	1	0	0
721310	Rooming & boarding houses	1	1	0	0
722110	Full-service restaurants	8	2	6	0
722211	Limited-service restaurants	4	1	2	1
722410	Drinking places (alcoholic beverages)	6	4	2	0
811111	General automotive repair	1	0	1	0
811121	Automotive body, paint & interior R&M	1	0	1	0
811191	Automotive oil change & lubrication shops	1	1	0	0
811192	Car washes	1	1	0	0
811213	Communication equipment R&M	1	1	0	0
811310	Commercial equipment (exc auto & elec) R&M	0	0	0	0

Appendix 1. Continued.

NAICS Code	NAICS Description	Number of Firms			
		Total Establish.	Number of Employees		
			1 to 4	5 to 19	20+
812191	Diet & weight reducing centers	1	1	0	0
812210	Funeral homes	1	1	0	0
812320	Dry-cleaning & laundry services (exc coin-op)	2	1	1	0
812910	Pet care (except veterinary) services	0	0	0	0
813110	Religious organizations	0	0	0	0
813211	Grant making foundations	1	1	0	0
813410	Civic & social organizations	2	2	0	0
813910	Business associations	1	1	0	0
	Total	204	100	84	20

Appendix 2. City of Ely, Number of Firms by Size, 2001.

NAICS Code	NAICS Description	Number of Firms			
		Total Establish.	Number of Employees		
			1 to 4	5 to 19	20+
113310	Logging	0	0	0	0
212221	Gold ore mining	2	0	0	2
212234	Copper ore & nickel ore mining	1	0	1	0
213112	Oil & gas operations support activities	2	1	1	0
221122	Electric power distribution	1	0	0	1
233110	Land subdivision & land development	1	0	1	0
233210	Single-family housing construction	9	6	3	0
233310	Mfg & industrial building construction	1	1	0	0
234930	Industrial nonbuilding structure construction	1	0	0	1
234990	All other heavy construction	2	0	2	0
235110	Plumbing, heating & AC contractor	2	1	1	0
235210	Painting & wall covering contractors	0	0	0	0
235310	Electrical contractors	3	1	2	0
235420	Drywall, acoustical & insulation contractors	1	1	0	0
235510	Carpentry contractors	0	0	0	0
235610	Roofing, siding, & sheet metal contractors	1	0	1	0
235710	Concrete contractors	1	1	0	0
235930	Excavation contractors	1	1	0	0
235990	All other special trade contractors	1	1	0	0
323110	Commercial lithographic printing	0	0	0	0
324110	Petroleum refineries	0	0	0	0
327320	Ready-mix concrete mfg	1	0	1	0
327390	Other concrete product mfg	1	1	0	0
327992	Ground or treated mineral & earth mfg	1	0	1	0
331525	Copper foundries (except die-casting)	1	0	1	0
332710	Machine shops	1	1	0	0
421120	Motor vehicle supplies & new parts whse	1	0	1	0

Appendix 2. Continued.

NAICS Code	NAICS Description	Number of Firms			
		Total Establish.	Number of Employees		
			1 to 4	5 to 19	20+
421140	Motor vehicle parts (used) whsle	0	0	0	0
421490	Oth professional equipment & supplies whsle	1	0	1	0
421820	Farm & garden machinery & equipment whsle	0	0	0	0
421840	Industrial supplies whsle	0	0	0	0
421930	Recyclable material whsle	2	2	0	0
422490	Other grocery & related products whsle	1	1	0	0
422520	Livestock whsle	0	0	0	0
422710	Petroleum bulk stations & terminals	3	0	3	0
422720	Petroleum prod whsle (exc bulk sta, terminals)	1	1	0	0
422810	Beer & ale whsle	1	0	1	0
422990	Other miscellaneous nondurable goods whsle	0	0	0	0
441110	New car dealers	2	0	1	1
441120	Used car dealers	0	0	0	0
441310	Automotive parts, accessories & tire stores	2	1	1	0
442110	Furniture stores	1	0	1	0
442210	Floor covering stores	1	1	0	0
444110	Home centers	1	0	0	1
444120	Paint & wallpaper stores	0	0	0	0
444220	Nursery & garden centers	1	1	0	0
445110	Grocery (except convenience) stores	5	1	3	1
445120	Convenience stores	0	0	0	0
445210	Meat markets	1	1	0	0
445310	Beer, wine & liquor stores	0	0	0	0
446110	Pharmacies & drug stores	3	0	3	0
446199	All other health & personal care stores	0	0	0	0
447110	Gasoline stations with convenience stores	7	2	3	2
447190	Other gasoline stations	4	4	0	0
448140	Family clothing stores	2	1	1	0
448190	Other clothing stores	0	0	0	0
448310	Jewelry stores	1	1	0	0
451110	Sporting goods stores	1	1	0	0
451130	Sewing, needlework & piece goods stores	0	0	0	0
451211	Book stores	0	0	0	0
452990	All other general merchandise stores	1	0	1	0
453110	Florists	2	1	1	0

Appendix 2. Continued.

NAICS Code	NAICS Description	Number of Firms			
		Total Establish.	Number of Employees		
			1 to 4	5 to 19	20+
453220	Gift, novelty & souvenir stores	1	1	0	0
453910	Pet & pet supplies stores	1	1	0	0
454312	Liquefied petroleum gas (bottled gas) dealers	3	1	2	0
484110	General freight trucking, local	2	1	1	0
484121	General freight trucking, long-distance, TL	0	0	0	0
484122	General freight trucking, long-distance, LTL	0	0	0	0
484210	Used household & office goods moving	0	0	0	0
484220	Specialized freight (exc used) trucking, local	1	0	1	0
484230	Specialized freight (exc used) trucking, LDist	1	1	0	0
488410	Motor vehicle towing	1	1	0	0
492110	Couriers	1	1	0	0
511110	Newspaper publishers	1	0	1	0
513112	Radio stations	1	1	0	0
513310	Wired telecommunications carriers	1	0	1	0
513322	Cellular & other wireless telecommunications	0	0	0	0
522110	Commercial banking	3	0	3	0
522130	Credit unions	2	1	1	0
524127	Direct title insurance carriers	1	1	0	0
524210	Insurance agencies & brokerages	4	4	0	0
524292	Insurance & pension funds, third party admin	0	0	0	0
531110	Lessors of residential buildings & dwellings	3	3	0	0
531120	Lessors of nonres. bldg (exc miniwarehouses)	1	0	1	0
531190	Lessors of other real estate property	1	1	0	0
531210	Offices of real estate agents & brokers	1	0	1	0
531311	Residential property managers	1	1	0	0
532230	Video tape & disc rental	1	0	1	0
541110	Offices of lawyers	2	1	1	0
541211	Offices of certified public accountants	1	1	0	0
541213	Tax preparation services	1	1	0	0
541219	Other accounting services	1	0	1	0
541330	Engineering services	3	2	1	0
541370	Surveying, mapping (exc geophysical) services	1	1	0	0
541380	Testing laboratories	0	0	0	0
541611	Admin & gen management consulting services	1	1	0	0

Appendix 2. Continued.

NAICS Code	NAICS Description	Number of Firms			
		Total Establish.	Number of Employees		
			1 to 4	5 to 19	20+
541613	Marketing consulting services	1	1	0	0
541940	Veterinary services	1	1	0	0
551114	Corp, subsidiary & regional managing offices	0	0	0	0
561320	Temporary help services	1	0	1	0
561492	Court reporting & stenotype services	1	1	0	0
561720	Janitorial services	0	0	0	0
561920	Convention & trade show organizers	0	0	0	0
562111	Solid waste collection	1	0	1	0
562991	Septic tank & related services	1	1	0	0
621111	Offices of physicians (exc mental health)	1	1	0	0
621210	Offices of dentists	2	1	1	0
621310	Offices of chiropractors	2	2	0	0
621320	Offices of optometrists	1	1	0	0
621498	All other outpatient care centers	1	0	0	1
621610	Home health care services	1	0	1	0
622110	General medical & surgical hospitals	1	0	0	1
623110	Nursing care facilities	3	1	0	2
624120	Services for elderly & disabled persons	1	0	1	0
624190	Other individual & family services	4	3	1	0
624229	Other community housing services	1	0	1	0
624410	Child day care services	1	0	1	0
712110	Museums	2	1	1	0
713950	Bowling centers	1	1	0	0
721110	Hotels (exc casino hotels) & motels	10	5	4	1
721120	Casino hotels	3	0	0	3
721211	RV parks & campgrounds	0	0	0	0
721310	Rooming & boarding houses	0	0	0	0
722110	Full-service restaurants	5	2	3	0
722211	Limited-service restaurants	1	0	0	1
722410	Drinking places (alcoholic beverages)	8	6	2	0
811111	General automotive repair	3	2	1	0
811121	Automotive body, paint & interior R&M	1	0	1	0
811191	Automotive oil change & lubrication shops	0	0	0	0
811192	Car washes	0	0	0	0
811213	Communication equipment R&M	1	1	0	0
811310	Commercial equipment (exc auto & elec) R&M	1	0	1	0
812191	Diet & weight reducing centers	0	0	0	0
812210	Funeral homes	1	1	0	0

Appendix 2. Continued.

NAICS Code	NAICS Description	Number of Firms			
		Total Establish.	Number of Employees		
			1 to 4	5 to 19	20+
812320	Dry-cleaning & laundry services (exc coin-op)	2	2	0	0
812910	Pet care (except veterinary) services	1	1	0	0
813110	Religious organizations	1	1	0	0
813211	Grant making foundations	0	0	0	0
813410	Civic & social organizations	2	2	0	0
813910	Business associations	1	1	0	0
	Total	191	100	73	18

Appendix 3. City of Ely, Difference in Number of Firms by Size, 1998 to 2001.

NAICS Code	NAICS Description	Number of Firms			
		Total Establish.	Number of Employees		
			1 to 4	5 to 19	20+
113310	Logging	0	0	0	0
212221	Gold ore mining	-1	0	-2	1
212234	Copper ore & nickel ore mining	0	0	1	-1
213112	Oil & gas operations support activities	0	1	-1	0
221122	Electric power distribution	0	0	0	0
233110	Land subdivision & land development	0	-1	1	0
233210	Single-family housing construction	3	2	1	0
233310	Mfg & industrial building construction	1	1	0	0
234930	Industrial nonbuilding structure construction	0	0	-1	1
234990	All other heavy construction	0	0	0	0
235110	Plumbing, heating & AC contractor	-1	-1	0	0
235210	Painting & wall covering contractors	-1	0	-1	0
235310	Electrical contractors	0	0	0	0
235420	Drywall, acoustical & insulation contractors	0	0	0	0
235510	Carpentry contractors	-1	-1	0	0
235610	Roofing, siding, & sheet metal contractors	-1	-2	1	0
235710	Concrete contractors	1	1	0	0
235930	Excavation contractors	1	1	0	0
235990	All other special trade contractors	1	1	0	0
323110	Commercial lithographic printing	-1	-1	0	0
324110	Petroleum refineries	-1	0	0	-1
327320	Ready-mix concrete mfg	0	0	0	0
327390	Other concrete product mfg	0	0	0	0
327992	Ground or treated mineral & earth mfg	0	0	0	0
331525	Copper foundries (except die-casting)	1	0	1	0
332710	Machine shops	0	0	0	0
421120	Motor vehicle supplies & new parts whsle	-1	-1	0	0
421140	Motor vehicle parts (used) whsle	-1	0	-1	0
421490	Oth professional equipment & supplies whsle	0	0	0	0
421820	Farm & garden machinery & equipment whsle	0	0	0	0
421840	Industrial supplies whsle	-1	-1	0	0
421930	Recyclable material whsle	1	1	0	0
422490	Other grocery & related products whsle	0	0	0	0
422520	Livestock whsle	-1	0	-1	0
422710	Petroleum bulk stations & terminals	0	0	0	0

Appendix 3. Continued

NAICS Code	NAICS Description	Number of Firms			
		Total Establish.	Number of Employees		
			1 to 4	5 to 19	20+
422720	Petroleum prod whsle (exc bulk sta, terminals)	0	0	0	0
422810	Beer & ale whsle	0	0	0	0
422990	Other miscellaneous nondurable goods whsle	-1	-1	0	0
441110	New car dealers	0	0	0	0
441120	Used car dealers	-1	-1	0	0
441310	Automotive parts, accessories & tire stores	1	1	0	0
442110	Furniture stores	0	0	0	0
442210	Floor covering stores	0	1	-1	0
444110	Home centers	0	0	0	0
444120	Paint & wallpaper stores	-1	-1	0	0
444220	Nursery & garden centers	0	0	0	0
445110	Grocery (except convenience) stores	0	0	0	0
445120	Convenience stores	0	0	0	0
445210	Meat markets	1	1	0	0
445310	Beer, wine & liquor stores	-1	-1	0	0
446110	Pharmacies & drug stores	-1	-1	0	0
446199	All other health & personal care stores	-1	-1	0	0
447110	Gasoline stations with convenience stores	0	0	0	0
447190	Other gasoline stations	1	3	-2	0
448140	Family clothing stores	0	0	0	0
448190	Other clothing stores	0	0	0	0
448310	Jewelry stores	0	0	0	0
451110	Sporting goods stores	1	1	0	0
451130	Sewing, needlework & piece goods stores	-1	-1	0	0
451211	Book stores	0	0	0	0
452990	All other general merchandise stores	0	0	0	0
453110	Florists	0	1	-1	0
453220	Gift, novelty & souvenir stores	-1	0	-1	0
453910	Pet & pet supplies stores	0	0	0	0
454312	Liquefied petroleum gas (bottled gas) dealers	0	0	0	0
484110	General freight trucking, local	1	1	0	0
484121	General freight trucking, long-distance, TL	0	0	0	0
484122	General freight trucking, long-distance, LTL	0	0	0	0
484210	Used household & office goods moving	-1	-1	0	0
484220	Specialized freight (exc used) trucking, local	0	0	0	0
484230	Specialized freight (exc used) trucking, LDist	-1	0	-1	0

Appendix 3. Continued

NAICS Code	NAICS Description	Number of Firms			
		Total Establish.	Number of Employees		
			1 to 4	5 to 19	20+
488410	Motor vehicle towing	0	0	0	0
492110	Couriers	0	0	0	0
511110	Newspaper publishers	0	0	0	0
513112	Radio stations	0	0	0	0
513310	Wired telecommunications carriers	0	0	0	0
513322	Cellular & other wireless telecommunications	-1	-1	0	0
522110	Commercial banking	0	0	0	0
522130	Credit unions	0	0	0	0
524127	Direct title insurance carriers	0	0	0	0
524210	Insurance agencies & brokerages	1	1	0	0
524292	Insurance & pension funds, third party admin	0	0	0	0
531110	Lessors of residential buildings & dwellings	1	1	0	0
531120	Lessors of nonres. bldg (exc miniwarehouses)	0	-1	1	0
531190	Lessors of other real estate property	0	0	0	0
531210	Offices of real estate agents & brokers	-1	0	-1	0
531311	Residential property managers	0	1	-1	0
532230	Video tape & disc rental	0	0	0	0
541110	Offices of lawyers	-1	-1	0	0
541211	Offices of certified public accountants	0	0	0	0
541213	Tax preparation services	0	0	0	0
541219	Other accounting services	0	-1	1	0
541330	Engineering services	1	0	1	0
541370	Surveying, mapping (exc geophysical) services	0	0	0	0
541380	Testing laboratories	-1	-1	0	0
541611	Admin & gen management consulting services	0	0	0	0
541613	Marketing consulting services	1	1	0	0
541940	Veterinary services	-1	-1	0	0
551114	Corp, subsidiary & regional managing offices	-1	-1	0	0
561320	Temporary help services	0	0	1	-1
561492	Court reporting & stenotype services	1	1	0	0
561720	Janitorial services	-1	-1	0	0
561920	Convention & trade show organizers	-1	-1	0	0
562111	Solid waste collection	0	0	0	0
562991	Septic tank & related services	0	0	0	0
621111	Offices of physicians (exc mental health)	0	1	0	-1
621210	Offices of dentists	-1	-1	0	0
621310	Offices of chiropractors	-1	-1	0	0

Appendix 3. Continued

NAICS Code	NAICS Description	Number of Firms			
		Total Establish.	Number of Employees		
			1 to 4	5 to 19	20+
621320	Offices of optometrists	0	0	0	0
621498	All other outpatient care centers	0	0	0	0
621610	Home health care services	0	0	0	0
622110	General medical & surgical hospitals	0	0	0	0
623110	Nursing care facilities	2	1	0	1
624120	Services for elderly & disabled persons	0	0	0	0
624190	Other individual & family services	1	1	0	0
624229	Other community housing services	0	-1	1	0
624410	Child day care services	0	0	0	0
712110	Museums	0	0	0	0
713950	Bowling centers	0	1	-1	0
721110	Hotels (exc casino hotels) & motels	2	2	0	0
721120	Casino hotels	-1	0	0	-1
721211	RV parks & campgrounds	-1	-1	0	0
721310	Rooming & boarding houses	-1	-1	0	0
722110	Full-service restaurants	-3	0	-3	0
722211	Limited-service restaurants	-3	-1	-2	0
722410	Drinking places (alcoholic beverages)	2	2	0	0
811111	General automotive repair	2	2	0	0
811121	Automotive body, paint & interior R&M	0	0	0	0
811191	Automotive oil change & lubrication shops	-1	-1	0	0
811192	Car washes	-1	-1	0	0
811213	Communication equipment R&M	0	0	0	0
811310	Commercial equipment (exc auto & elec) R&M	1	0	1	0
812191	Diet & weight reducing centers	-1	-1	0	0
812210	Funeral homes	0	0	0	0
812320	Dry-cleaning & laundry services (exc coin-op)	0	1	-1	0
812910	Pet care (except veterinary) services	1	1	0	0
813110	Religious organizations	1	1	0	0
813211	Grant making foundations	-1	-1	0	0
813410	Civic & social organizations	0	0	0	0
813910	Business associations	0	0	0	0

Appendix 4. City of Ely, Percent Difference in Number of Firms by Size, 1998 to 2001.

NAICS Code	NAICS Description	Percent of Firms			
		Number of Employees			
		Total Establish.	1 to 4	5 to 19	20+
113310	Logging	0.0%	0.0%	0.0%	0.0%
212221	Gold ore mining	-33.3%	0.0%	-100.0%	100.0%
212234	Copper ore & nickel ore mining	0.0%	0.0%	Inf.	-100.0%
213112	Oil & gas operations support activities	0.0%	Inf.	-50.0%	0.0%
221122	Electric power distribution	0.0%	0.0%	0.0%	0.0%
233110	Land subdivision & land development	0.0%	-100.0%	Inf.	0.0%
233210	Single-family housing construction	50.0%	50.0%	50.0%	0.0%
233310	Mfg & industrial building construction	Inf.	Inf.	0.0%	0.0%
234930	Industrial nonbuilding structure construction	0.0%	0.0%	-100.0%	Inf.
234990	All other heavy construction	0.0%	0.0%	0.0%	0.0%
235110	Plumbing, heating & AC contractor	-33.3%	-50.0%	0.0%	0.0%
235210	Painting & wall covering contractors	-100.0%	0.0%	-100.0%	0.0%
235310	Electrical contractors	0.0%	0.0%	0.0%	0.0%
235420	Drywall, acoustical & insulation contractors	0.0%	0.0%	0.0%	0.0%
235510	Carpentry contractors	-100.0%	-100.0%	0.0%	0.0%
235610	Roofing, siding, & sheet metal contractors	-50.0%	-100.0%	Inf.	0.0%
235710	Concrete contractors	Inf.	Inf.	0.0%	0.0%
235930	Excavation contractors	Inf.	Inf.	0.0%	0.0%
235990	All other special trade contractors	Inf.	Inf.	0.0%	0.0%
323110	Commercial lithographic printing	-100.0%	-100.0%	0.0%	0.0%
324110	Petroleum refineries	-100.0%	0.0%	0.0%	-100.0%
327320	Ready-mix concrete mfg	0.0%	0.0%	0.0%	0.0%
327390	Other concrete product mfg	0.0%	0.0%	0.0%	0.0%
327992	Ground or treated mineral & earth mfg	0.0%	0.0%	0.0%	0.0%
331525	Copper foundries (except die-casting)	Inf.	0.0%	Inf.	0.0%
332710	Machine shops	0.0%	0.0%	0.0%	0.0%
421120	Motor vehicle supplies & new parts whsle	-50.0%	-100.0%	0.0%	0.0%
421140	Motor vehicle parts (used) whsle	-100.0%	0.0%	-100.0%	0.0%
421490	Oth professional equipment & supplies whsle	0.0%	0.0%	0.0%	0.0%
421820	Farm & garden machinery & equipment whsle	0.0%	0.0%	0.0%	0.0%
421840	Industrial supplies whsle	-100.0%	-100.0%	0.0%	0.0%
421930	Recyclable material whsle	100.0%	100.0%	0.0%	0.0%
422490	Other grocery & related products whsle	0.0%	0.0%	0.0%	0.0%
422520	Livestock whsle	-100.0%	0.0%	-100.0%	0.0%
422710	Petroleum bulk stations & terminals	0.0%	0.0%	0.0%	0.0%

Appendix 4. Continued.

NAICS Code	NAICS Description	Percent of Firms			
		Number of Employees			
		Total Establish.	1 to 4	5 to 19	20+
422720	Petroleum prod whsle (exc bulk sta, terminals)	0.0%	0.0%	0.0%	0.0%
422810	Beer & ale whsle	0.0%	0.0%	0.0%	0.0%
422990	Other miscellaneous nondurable goods whsle	-100.0%	-100.0%	0.0%	0.0%
441110	New car dealers	0.0%	0.0%	0.0%	0.0%
441120	Used car dealers	-100.0%	-100.0%	0.0%	0.0%
441310	Automotive parts, accessories & tire stores	100.0%	Inf.	0.0%	0.0%
442110	Furniture stores	0.0%	0.0%	0.0%	0.0%
442210	Floor covering stores	0.0%	Inf.	-100.0%	0.0%
444110	Home centers	0.0%	0.0%	0.0%	0.0%
444120	Paint & wallpaper stores	-100.0%	-100.0%	0.0%	0.0%
444220	Nursery & garden centers	0.0%	0.0%	0.0%	0.0%
445110	Grocery (except convenience) stores	0.0%	0.0%	0.0%	0.0%
445120	Convenience stores	0.0%	0.0%	0.0%	0.0%
445210	Meat markets	Inf.	Inf.	0.0%	0.0%
445310	Beer, wine & liquor stores	-100.0%	-100.0%	0.0%	0.0%
446110	Pharmacies & drug stores	-25.0%	-100.0%	0.0%	0.0%
446199	All other health & personal care stores	-100.0%	-100.0%	0.0%	0.0%
447110	Gasoline stations with convenience stores	0.0%	0.0%	0.0%	0.0%
447190	Other gasoline stations	33.3%	300.0%	-100.0%	0.0%
448140	Family clothing stores	0.0%	0.0%	0.0%	0.0%
448190	Other clothing stores	0.0%	0.0%	0.0%	0.0%
448310	Jewelry stores	0.0%	0.0%	0.0%	0.0%
451110	Sporting goods stores	Inf.	Inf.	0.0%	0.0%
451130	Sewing, needlework & piece goods stores	-100.0%	-100.0%	0.0%	0.0%
451211	Book stores	0.0%	0.0%	0.0%	0.0%
452990	All other general merchandise stores	0.0%	0.0%	0.0%	0.0%
453110	Florists	0.0%	Inf.	-50.0%	0.0%
453220	Gift, novelty & souvenir stores	-50.0%	0.0%	-100.0%	0.0%
453910	Pet & pet supplies stores	0.0%	0.0%	0.0%	0.0%
454312	Liquified petroleum gas (bottled gas) dealers	0.0%	0.0%	0.0%	0.0%
484110	General freight trucking, local	100.0%	Inf.	0.0%	0.0%
484121	General freight trucking, long-distance, TL	0.0%	0.0%	0.0%	0.0%
484122	General freight trucking, long-distance, LTL	0.0%	0.0%	0.0%	0.0%
484210	Used household & office goods moving	-100.0%	-100.0%	0.0%	0.0%
484220	Specialized freight (exc used) trucking, local	0.0%	0.0%	0.0%	0.0%
484230	Specialized freight (exc used) trucking, LDist	-50.0%	0.0%	-100.0%	0.0%
488410	Motor vehicle towing	0.0%	0.0%	0.0%	0.0%
492110	Couriers	0.0%	0.0%	0.0%	0.0%

Appendix 4. Continued.

NAICS Code	NAICS Description	Percent of Firms			
		Number of Employees			
		Total Establish.	1 to 4	5 to 19	20+
511110	Newspaper publishers	0.0%	0.0%	0.0%	0.0%
513112	Radio stations	0.0%	0.0%	0.0%	0.0%
513310	Wired telecommunications carriers	0.0%	0.0%	0.0%	0.0%
513322	Cellular & other wireless telecommunications	-100.0%	-100.0%	0.0%	0.0%
522110	Commercial banking	0.0%	0.0%	0.0%	0.0%
522130	Credit unions	0.0%	0.0%	0.0%	0.0%
524127	Direct title insurance carriers	0.0%	0.0%	0.0%	0.0%
524210	Insurance agencies & brokerages	33.3%	33.3%	0.0%	0.0%
524292	Insurance & pension funds, third party admin	0.0%	0.0%	0.0%	0.0%
531110	Lessors of residential buildings & dwellings	50.0%	50.0%	0.0%	0.0%
531120	Lessors of nonres. bldg (exc miniwarehouses)	0.0%	-100.0%	inf.	0.0%
531190	Lessors of other real estate property	0.0%	0.0%	0.0%	0.0%
531210	Offices of real estate agents & brokers	-50.0%	0.0%	-50.0%	0.0%
531311	Residential property managers	0.0%	Inf.	-100.0%	0.0%
532230	Video tape & disc rental	0.0%	0.0%	0.0%	0.0%
541110	Offices of lawyers	-33.3%	-50.0%	0.0%	0.0%
541211	Offices of certified public accountants	0.0%	0.0%	0.0%	0.0%
541213	Tax preparation services	0.0%	0.0%	0.0%	0.0%
541219	Other accounting services	0.0%	-100.0%	Inf.	0.0%
541330	Engineering services	50.0%	0.0%	Inf.	0.0%
541370	Surveying, mapping (exc geophysical) services	0.0%	0.0%	0.0%	0.0%
541380	Testing laboratories	-100.0%	-100.0%	0.0%	0.0%
541611	Admin & gen management consulting services	0.0%	0.0%	0.0%	0.0%
541613	Marketing consulting services	Inf.	Inf.	0.0%	0.0%
541940	Veterinary services	-50.0%	-50.0%	0.0%	0.0%
551114	Corp, subsidiary & regional managing offices	-100.0%	-100.0%	0.0%	0.0%
561320	Temporary help services	0.0%	0.0%	Inf.	-100.0%
561492	Court reporting & stenotype services	Inf.	Inf.	0.0%	0.0%
561720	Janitorial services	-100.0%	-100.0%	0.0%	0.0%
561920	Convention & trade show organizers	-100.0%	-100.0%	0.0%	0.0%
562111	Solid waste collection	0.0%	0.0%	0.0%	0.0%
562991	Septic tank & related services	0.0%	0.0%	0.0%	0.0%
621111	Offices of physicians (exc mental health)	0.0%	Inf.	0.0%	-100.0%
621210	Offices of dentists	-33.3%	-50.0%	0.0%	0.0%
621310	Offices of chiropractors	-33.3%	-33.3%	0.0%	0.0%
621320	Offices of optometrists	0.0%	0.0%	0.0%	0.0%

Appendix 4. Continued.

NAICS Code	NAICS Description	Percent of Firms			
		Number of Employees			
		Total Establish.	1 to 4	5 to 19	20+
621498	All other outpatient care centers	0.0%	0.0%	0.0%	0.0%
621610	Home health care services	0.0%	0.0%	0.0%	0.0%
622110	General medical & surgical hospitals	0.0%	0.0%	0.0%	0.0%
623110	Nursing care facilities	200.0%	Inf.	0.0%	100.0%
624120	Services for elderly & disabled persons	0.0%	0.0%	0.0%	0.0%
624190	Other individual & family services	33.3%	50.0%	0.0%	0.0%
624229	Other community housing services	0.0%	-100.0%	Inf.	0.0%
624410	Child day care services	0.0%	0.0%	0.0%	0.0%
712110	Museums	0.0%	0.0%	0.0%	0.0%
713950	Bowling centers	0.0%	Inf.	-100.0%	0.0%
721110	Hotels (exc casino hotels) & motels	25.0%	66.7%	0.0%	0.0%
721120	Casino hotels	-25.0%	0.0%	0.0%	-25.0%
721211	RV parks & campgrounds	-100.0%	-100.0%	0.0%	0.0%
721310	Rooming & boarding houses	-100.0%	-100.0%	0.0%	0.0%
722110	Full-service restaurants	-37.5%	0.0%	-50.0%	0.0%
722211	Limited-service restaurants	-75.0%	-100.0%	-100.0%	0.0%
722410	Drinking places (alcoholic beverages)	33.3%	50.0%	0.0%	0.0%
811111	General automotive repair	200.0%	Inf.	0.0%	0.0%
811121	Automotive body, paint & interior R&M	0.0%	0.0%	0.0%	0.0%
811191	Automotive oil change & lubrication shops	-100.0%	-100.0%	0.0%	0.0%
811192	Car washes	-100.0%	-100.0%	0.0%	0.0%
811213	Communication equipment R&M	0.0%	0.0%	0.0%	0.0%
811310	Commercial equipment (exc auto & elec) R&M	Inf.	0.0%	Inf.	0.0%
812191	Diet & weight reducing centers	-100.0%	-100.0%	0.0%	0.0%
812210	Funeral homes	0.0%	0.0%	0.0%	0.0%
812320	Dry-cleaning & laundry services (exc coin-op)	0.0%	100.0%	-100.0%	0.0%
812910	Pet care (except veterinary) services	Inf.	Inf.	0.0%	0.0%
813110	Religious organizations	Inf.	Inf.	0.0%	0.0%
813211	Grant making foundations	-100.0%	-100.0%	0.0%	0.0%
813410	Civic & social organizations	0.0%	0.0%	0.0%	0.0%
813910	Business associations	0.0%	0.0%	0.0%	0.0%

Appendix 5. Rest of White Pine County, Number of Firms, 1998.

NAICS Code	NAICS Description	Number of Firms			
		Total Establish.	Number of Employees		
			1 to 4	5 to 19	20+
113310	Logging	1	1	0	0
212221	Gold ore mining	0	0	0	0
212234	Copper ore & nickel ore mining	0	0	0	0
213112	Oil & gas operations support activities	0	0	0	0
221122	Electric power distribution	1	1	0	0
233110	Land subdivision & land development	0	0	0	0
233210	Single-family housing construction	0	0	0	0
233310	Mfg & industrial building construction	0	0	0	0
234930	Industrial nonbuilding structure construction	0	0	0	0
234990	All other heavy construction	0	0	0	0
235110	Plumbing, heating & AC contractor	0	0	0	0
235210	Painting & wall covering contractors	0	0	0	0
235310	Electrical contractors	0	0	0	0
235420	Drywall, acoustical & insulation contractors	0	0	0	0
235510	Carpentry contractors	0	0	0	0
235610	Roofing, siding, & sheet metal contractors	0	0	0	0
235710	Concrete contractors	0	0	0	0
235930	Excavation contractors	0	0	0	0
235990	All other special trade contractors	0	0	0	0
323110	Commercial lithographic printing	0	0	0	0
324110	Petroleum refineries	0	0	0	0
327320	Ready-mix concrete mfg	0	0	0	0
327390	Other concrete product mfg	0	0	0	0
327992	Ground or treated mineral & earth mfg	0	0	0	0
331525	Copper foundries (except die-casting)	0	0	0	0
332710	Machine shops	0	0	0	0
421120	Motor vehicle supplies & new parts whsle	0	0	0	0
421140	Motor vehicle parts (used) whsle	0	0	0	0
421490	Oth professional equipment & supplies whsle	0	0	0	0
421820	Farm & garden machinery & equipment whsle	1	0	0	1
421840	Industrial supplies whsle	0	0	0	0
421930	Recyclable material whsle	0	0	0	0
422490	Other grocery & related products whsle	0	0	0	0
422520	Livestock whsle	0	0	0	0
422710	Petroleum bulk stations & terminals	0	0	0	0

Appendix 5. Continued.

NAICS Code	NAICS Description	Number of Firms			
		Total Establish.	Number of Employees		
			1 to 4	5 to 19	20+
422720	Petroleum prod whsle (exc bulk sta, terminals)	0	0	0	0
422810	Beer & ale whsle	0	0	0	0
422990	Other miscellaneous nondurable goods whsle	0	0	0	0
441110	New car dealers	0	0	0	0
441120	Used car dealers	0	0	0	0
441310	Automotive parts, accessories & tire stores	0	0	0	0
442110	Furniture stores	0	0	0	0
442210	Floor covering stores	0	0	0	0
444110	Home centers	0	0	0	0
444120	Paint & wallpaper stores	0	0	0	0
444220	Nursery & garden centers	0	0	0	0
445110	Grocery (except convenience) stores	0	0	0	0
445120	Convenience stores	1	1	0	0
445210	Meat markets	0	0	0	0
445310	Beer, wine & liquor stores	0	0	0	0
446110	Pharmacies & drug stores	0	0	0	0
446199	All other health & personal care stores	0	0	0	0
447110	Gasoline stations with convenience stores	1	1	0	0
447190	Other gasoline stations	0	0	0	0
448140	Family clothing stores	0	0	0	0
448190	Other clothing stores	1	1	0	0
448310	Jewelry stores	0	0	0	0
451110	Sporting goods stores	0	0	0	0
451130	Sewing, needlework & piece goods stores	0	0	0	0
451211	Book stores	1	1	0	0
452990	All other general merchandise stores	0	0	0	0
453110	Florists	0	0	0	0
453220	Gift, novelty & souvenir stores	1	1	0	0
453910	Pet & pet supplies stores	0	0	0	0
454312	Liquified petroleum gas (bottled gas) dealers	0	0	0	0
484110	General freight trucking, local	0	0	0	0
484121	General freight trucking, long-distance, TL	1	0	1	0
484122	General freight trucking, long-distance, LTL	0	0	0	0
484210	Used household & office goods moving	0	0	0	0
484220	Specialized freight (exc used) trucking, local	0	0	0	0
484230	Specialized freight (exc used) trucking, LDist	0	0	0	0
488410	Motor vehicle towing	0	0	0	0
492110	Couriers	0	0	0	0

Appendix 5. Continued.

NAICS Code	NAICS Description	Number of Firms			
		Total Establish.	Number of Employees		
			1 to 4	5 to 19	20+
511110	Newspaper publishers	0	0	0	0
513112	Radio stations	0	0	0	0
513310	Wired telecommunications carriers	0	0	0	0
513322	Cellular & other wireless telecommunications	0	0	0	0
522110	Commercial banking	0	0	0	0
522130	Credit unions	0	0	0	0
524127	Direct title insurance carriers	0	0	0	0
524210	Insurance agencies & brokerages	0	0	0	0
524292	Insurance & pension funds, third party admin	0	0	0	0
531110	Lessors of residential buildings & dwellings	0	0	0	0
531120	Lessors of nonres. bldg (exc miniwarehouses)	0	0	0	0
531190	Lessors of other real estate property	0	0	0	0
531210	Offices of real estate agents & brokers	0	0	0	0
531311	Residential property managers	0	0	0	0
532230	Video tape & disc rental	0	0	0	0
541110	Offices of lawyers	0	0	0	0
541211	Offices of certified public accountants	0	0	0	0
541213	Tax preparation services	0	0	0	0
541219	Other accounting services	0	0	0	0
541330	Engineering services	0	0	0	0
541370	Surveying, mapping (exc geophysical) services	0	0	0	0
541380	Testing laboratories	0	0	0	0
541611	Admin & gen management consulting services	0	0	0	0
541613	Marketing consulting services	0	0	0	0
541940	Veterinary services	0	0	0	0
551114	Corp, subsidiary & regional managing offices	0	0	0	0
561320	Temporary help services	0	0	0	0
561492	Court reporting & stenotype services	0	0	0	0
561720	Janitorial services	0	0	0	0
561920	Convention & trade show organizers	0	0	0	0
562111	Solid waste collection	0	0	0	0
562991	Septic tank & related services	0	0	0	0
621111	Offices of physicians (exc mental health)	0	0	0	0
621210	Offices of dentists	0	0	0	0
621310	Offices of chiropractors	0	0	0	0
621320	Offices of optometrists	0	0	0	0
621498	All other outpatient care centers	0	0	0	0
621610	Home health care services	0	0	0	0
622110	General medical & surgical hospitals	0	0	0	0
623110	Nursing care facilities	0	0	0	0

Appendix 5. Continued.

NAICS Code	NAICS Description	Number of Firms			
		Total Establish.	Number of Employees		
			1 to 4	5 to 19	20+
624120	Services for elderly & disabled persons	0	0	0	0
624190	Other individual & family services	0	0	0	0
624229	Other community housing services	0	0	0	0
624410	Child day care services	0	0	0	0
712110	Museums	0	0	0	0
713950	Bowling centers	0	0	0	0
721110	Hotels (exc casino hotels) & motels	0	0	1	0
721120	Casino hotels	0	0	0	0
721211	RV parks & campgrounds	0	0	0	0
721310	Rooming & boarding houses	0	0	0	0
722110	Full-service restaurants	2	2	0	0
722211	Limited-service restaurants	0	0	0	0
722410	Drinking places (alcoholic beverages)	0	0	0	0
811111	General automotive repair	0	0	0	0
811121	Automotive body, paint & interior R&M	0	0	0	0
811191	Automotive oil change & lubrication shops	0	0	0	0
811192	Car washes	0	0	0	0
811213	Communication equipment R&M	0	0	0	0
811310	Commercial equipment (exc auto & elec) R&M	0	0	0	0
812191	Diet & weight reducing centers	0	0	0	0
812210	Funeral homes	0	0	0	0
812320	Dry-cleaning & laundry services (exc coin-op)	0	0	0	0
812910	Pet care (except veterinary) services	0	0	0	0
813110	Religious organizations	0	0	0	0
813211	Grant making foundations	0	0	0	0
813410	Civic & social organizations	0	0	0	0
813910	Business associations	0	0	0	0
	Total	12	9	2	1

Appendix 6. Rest of White Pine County, Number of Firms by Size, 2001.

NAICS Code	NAICS Description	Number of Firms			
		Total Establish.	1 to 4	5 to 19	20+
113310	Logging	1	0	1	0
212221	Gold ore mining	0	0	0	0
212234	Copper ore & nickel ore mining	0	0	0	0
213112	Oil & gas operations support activities	0	0	0	0
221122	Electric power distribution	1	1	0	0
233110	Land subdivision & land development	0	0	0	0
233210	Single-family housing construction	0	0	0	0
233310	Mfg & industrial building construction	0	0	0	0
234930	Industrial nonbuilding structure construction	0	0	0	0
234990	All other heavy construction	1	0	1	0
235110	Plumbing, heating & AC contractor	0	0	0	0
235210	Painting & wall covering contractors	0	0	0	0
235310	Electrical contractors	0	0	0	0
235420	Drywall, acoustical & insulation contractors	0	0	0	0
235510	Carpentry contractors	0	0	0	0
235610	Roofing, siding, & sheet metal contractors	0	0	0	0
235710	Concrete contractors	0	0	0	0
235930	Excavation contractors	0	0	0	0
235990	All other special trade contractors	0	0	0	0
323110	Commercial lithographic printing	0	0	0	0
324110	Petroleum refineries	0	0	0	0
327320	Ready-mix concrete mfg	0	0	0	0
327390	Other concrete product mfg	0	0	0	0
327992	Ground or treated mineral & earth mfg	0	0	0	0
331525	Copper foundries (except die-casting)	0	0	0	0
332710	Machine shops	0	0	0	0
421120	Motor vehicle supplies & new parts whsle	0	0	0	0
421140	Motor vehicle parts (used) whsle	0	0	0	0
421490	Oth professional equipment & supplies whsle	0	0	0	0
421820	Farm & garden machinery & equipment whsle	1	0	1	0
421840	Industrial supplies whsle	0	0	0	0
421930	Recyclable material whsle	0	0	0	0
422490	Other grocery & related products whsle	0	0	0	0
422520	Livestock whsle	0	0	0	0
422710	Petroleum bulk stations & terminals	0	0	0	0
422720	Petroleum prod whsle (exc bulk sta, terminals)	0	0	0	0

Appendix 6. Continued.

NAICS Code	NAICS Description	Number of Firms			
		Total Establish.	Number of Employees		
			1 to 4	5 to 19	20+
422810	Beer & ale whsle	0	0	0	0
422990	Other miscellaneous nondurable goods whsle	0	0	0	0
441110	New car dealers	0	0	0	0
441120	Used car dealers	0	0	0	0
441310	Automotive parts, accessories & tire stores	0	0	0	0
442110	Furniture stores	0	0	0	0
442210	Floor covering stores	0	0	0	0
444110	Home centers	0	0	0	0
444120	Paint & wallpaper stores	0	0	0	0
444220	Nursery & garden centers	0	0	0	0
445110	Grocery (except convenience) stores	0	0	0	0
445120	Convenience stores	1	1	0	0
445210	Meat markets	0	0	0	0
445310	Beer, wine & liquor stores	0	0	0	0
446110	Pharmacies & drug stores	0	0	0	0
446199	All other health & personal care stores	0	0	0	0
447110	Gasoline stations with convenience stores	1	0	1	0
447190	Other gasoline stations	0	0	0	0
448140	Family clothing stores	0	0	0	0
448190	Other clothing stores	0	0	0	0
448310	Jewelry stores	0	0	0	0
451110	Sporting goods stores	0	0	0	0
451130	Sewing, needlework & piece goods stores	0	0	0	0
451211	Book stores	1	1	0	0
452990	All other general merchandise stores	0	0	0	0
453110	Florists	0	0	0	0
453220	Gift, novelty & souvenir stores	1	1	0	0
453910	Pet & pet supplies stores	0	0	0	0
454312	Liquified petroleum gas (bottled gas) dealers	0	0	0	0
484110	General freight trucking, local	1	1	0	0
484121	General freight trucking, long-distance, TL	0	0	0	0
484122	General freight trucking, long-distance, LTL	1	1	0	0
484210	Used household & office goods moving	0	0	0	0
484220	Specialized freight (exc used) trucking, local	0	0	0	0
484230	Specialized freight (exc used) trucking, LDist	0	0	0	0
488410	Motor vehicle towing	0	0	0	0
492110	Couriers	0	0	0	0
511110	Newspaper publishers	0	0	0	0
513112	Radio stations	0	0	0	0
513310	Wired telecommunications carriers	0	0	0	0

Appendix 6. Continued.

NAICS Code	NAICS Description	Number of Firms			
		Total Establish.	Number of Employees		
			1 to 4	5 to 19	20+
513322	Cellular & other wireless telecommunications	0	0	0	0
522110	Commercial banking	0	0	0	0
522130	Credit unions	0	0	0	0
524127	Direct title insurance carriers	0	0	0	0
524210	Insurance agencies & brokerages	0	0	0	0
524292	Insurance & pension funds, third party admin	1	1	0	0
531110	Lessors of residential buildings & dwellings	0	0	0	0
531120	Lessors of nonres bldg (exc miniwarehouses)	0	0	0	0
531190	Lessors of other real estate property	0	0	0	0
531210	Offices of real estate agents & brokers	0	0	0	0
531311	Residential property managers	0	0	0	0
532230	Video tape & disc rental	0	0	0	0
541110	Offices of lawyers	0	0	0	0
541211	Offices of certified public accountants	0	0	0	0
541213	Tax preparation services	0	0	0	0
541219	Other accounting services	0	0	0	0
541330	Engineering services	0	0	0	0
541370	Surveying, mapping (exc geophysical) services	0	0	0	0
541380	Testing laboratories	0	0	0	0
541611	Admin & gen management consulting services	0	0	0	0
541613	Marketing consulting services	0	0	0	0
541940	Veterinary services	0	0	0	0
551114	Corp, subsidiary & regional managing offices	0	0	0	0
561320	Temporary help services	0	0	0	0
561492	Court reporting & stenotype services	0	0	0	0
561720	Janitorial services	0	0	0	0
561920	Convention & trade show organizers	0	0	0	0
562111	Solid waste collection	0	0	0	0
562991	Septic tank & related services	0	0	0	0
621111	Offices of physicians (exc mental health)	0	0	0	0
621210	Offices of dentists	0	0	0	0
621310	Offices of chiropractors	0	0	0	0
621320	Offices of optometrists	0	0	0	0
621498	All other outpatient care centers	0	0	0	0
621610	Home health care services	0	0	0	0
622110	General medical & surgical hospitals	0	0	0	0
623110	Nursing care facilities	0	0	0	0
624120	Services for elderly & disabled persons	0	0	0	0

Appendix 6. Continued.

NAICS Code	NAICS Description	Number of Firms			
		Total Establish.	Number of Employees		
			1 to 4	5 to 19	20+
624190	Other individual & family services	0	0	0	0
624229	Other community housing services	0	0	0	0
624410	Child day care services	0	0	0	0
712110	Museums	0	0	0	0
713950	Bowling centers	0	0	0	0
721110	Hotels (exc casino hotels) & motels	0	0	1	0
721120	Casino hotels	0	0	0	0
721211	RV parks & campgrounds	0	0	0	0
721310	Rooming & boarding houses	0	0	0	0
722110	Full-service restaurants	2	1	1	0
722211	Limited-service restaurants	0	0	0	0
722410	Drinking places (alcoholic beverages)	0	0	0	0
811111	General automotive repair	0	0	0	0
811121	Automotive body, paint & interior R&M	0	0	0	0
811191	Automotive oil change & lubrication shops	0	0	0	0
811192	Car washes	0	0	0	0
811213	Communication equipment R&M	0	0	0	0
811310	Commercial equipment (exc auto & elec) R&M	0	0	0	0
812191	Diet & weight reducing centers	0	0	0	0
812210	Funeral homes	0	0	0	0
812320	Dry-cleaning & laundry services (exc coin-op)	0	0	0	0
812910	Pet care (except veterinary) services	0	0	0	0
813110	Religious organizations	0	0	0	0
813211	Grant making foundations	0	0	0	0
813410	Civic & social organizations	0	0	0	0
813910	Business associations	0	0	0	0
	Total	14	8	6	

Appendix 7. Rest of White Pine County, Differences in Number of Firms by Size, 1998 to 2001.

NAICS Code	NAICS Description	Total Establish.	Number of Firms		
			1 to 4	5 to 19	20+
113310	Logging	0	-1	1	0
212221	Gold ore mining	0	0	0	0
212234	Copper ore & nickel ore mining	0	0	0	0
213112	Oil & gas operations support activities	0	0	0	0
221122	Electric power distribution	0	0	0	0
233110	Land subdivision & land development	0	0	0	0
233210	Single-family housing construction	0	0	0	0
233310	Mfg & industrial building construction	0	0	0	0
234930	Industrial nonbuilding structure construction	0	0	0	0
234990	All other heavy construction	1	0	1	0
235110	Plumbing, heating & AC contractor	0	0	0	0
235210	Painting & wall covering contractors	0	0	0	0
235310	Electrical contractors	0	0	0	0
235420	Drywall, acoustical & insulation contractors	0	0	0	0
235510	Carpentry contractors	0	0	0	0
235610	Roofing, siding, & sheet metal contractors	0	0	0	0
235710	Concrete contractors	0	0	0	0
235930	Excavation contractors	0	0	0	0
235990	All other special trade contractors	0	0	0	0
323110	Commercial lithographic printing	0	0	0	0
324110	Petroleum refineries	0	0	0	0
327320	Ready-mix concrete mfg	0	0	0	0
327390	Other concrete product mfg	0	0	0	0
327992	Ground or treated mineral & earth mfg	0	0	0	0
331525	Copper foundries (except die-casting)	0	0	0	0
332710	Machine shops	0	0	0	0
421120	Motor vehicle supplies & new parts whsle	0	0	0	0

Appendix 7. Continued

NAICS Code	NAICS Description	Total Establish.	Number of Firms		
			1 to 4	Number of Employees 5 to 19	20+
421490	Oth professional equipment & supplies whsle	0	0	0	0
421820	Farm & garden machinery & equipment whsle	0	0	1	-1
421840	Industrial supplies whsle	0	0	0	0
421930	Recyclable material whsle	0	0	0	0
422490	Other grocery & related products whsle	0	0	0	0
422520	Livestock whsle	0	0	0	0
422710	Petroleum bulk stations & terminals	0	0	0	0
422720	Petroleum prod whsle (exc bulk sta, terminals)	0	0	0	0
422810	Beer & ale whsle	0	0	0	0
422990	Other miscellaneous nondurable goods whsle	0	0	0	0
441110	New car dealers	0	0	0	0
441120	Used car dealers	0	0	0	0
441310	Automotive parts, accessories & tire stores	0	0	0	0
442110	Furniture stores	0	0	0	0
442210	Floor covering stores	0	0	0	0
444110	Home centers	0	0	0	0
444120	Paint & wallpaper stores	0	0	0	0
444220	Nursery & garden centers	0	0	0	0
445110	Grocery (except convenience) stores	0	0	0	0
445120	Convenience stores	0	0	0	0
445210	Meat markets	0	0	0	0
445310	Beer, wine & liquor stores	0	0	0	0
446110	Pharmacies & drug stores	0	0	0	0
446199	All other health & personal care stores	0	0	0	0
447110	Gasoline stations with convenience stores	0	-1	1	0
447190	Other gasoline stations	0	0	0	0
448140	Family clothing stores	0	0	0	0
448190	Other clothing stores	-1	-1	0	0
448310	Jewelry stores	0	0	0	0
451110	Sporting goods stores	0	0	0	0
451130	Sewing, needlework & piece goods stores	0	0	0	0
451211	Book stores	0	0	0	0

Appendix 7. Continued

NAICS Code	NAICS Description	Total Establish.	Number of Firms		
			1 to 4	Number of Employees 5 to 19	20+
452990	All other general merchandise stores	0	0	0	0
453110	Florists	0	0	0	0
453220	Gift, novelty & souvenir stores	0	0	0	0
453910	Pet & pet supplies stores	0	0	0	0
454312	Liquified petroleum gas (bottled gas) dealers	0	0	0	0
484110	General freight trucking, local	1	1	0	0
484121	General freight trucking, long-distance, TL	-1	0	-1	0
484122	General freight trucking, long-distance, LTL	1	1	0	0
484210	Used household & office goods moving	0	0	0	0
484220	Specialized freight (exc used) trucking, local	0	0	0	0
484230	Specialized freight (exc used) trucking, LDist	0	0	0	0
488410	Motor vehicle towing	0	0	0	0
492110	Couriers	0	0	0	0
511110	Newspaper publishers	0	0	0	0
513112	Radio stations	0	0	0	0
513310	Wired telecommunications carriers	0	0	0	0
513322	Cellular & other wireless telecommunications	0	0	0	0
522110	Commercial banking	0	0	0	0
522130	Credit unions	0	0	0	0
524127	Direct title insurance carriers	0	0	0	0
524210	Insurance agencies & brokerages	0	0	0	0
524292	Insurance & pension funds, third party admin	1	1	0	0
531110	Lessors of residential buildings & dwellings	0	0	0	0
531120	Lessors of nonres bldg (exc miniwarehouses)	0	0	0	0
531190	Lessors of other real estate property	0	0	0	0
531210	Offices of real estate agents & brokers	0	0	0	0
531311	Residential property managers	0	0	0	0
532230	Video tape & disc rental	0	0	0	0
541110	Offices of lawyers	0	0	0	0

Appendix 7. Continued

NAICS Code	NAICS Description	Total Establish.	Number of Firms		
			1 to 4	Number of Employees 5 to 19	20+
541211	Offices of certified public accountants	0	0	0	0
541213	Tax preparation services	0	0	0	0
541219	Other accounting services	0	0	0	0
541330	Engineering services	0	0	0	0
541370	Surveying, mapping (exc geophysical) services	0	0	0	0
541380	Testing laboratories	0	0	0	0
541611	Admin & gen management consulting services	0	0	0	0
541613	Marketing consulting services	0	0	0	0
541940	Veterinary services	0	0	0	0
551114	Corp, subsidiary & regional managing offices	0	0	0	0
561320	Temporary help services	0	0	0	0
561492	Court reporting & stenotype services	0	0	0	0
561720	Janitorial services	0	0	0	0
561920	Convention & trade show organizers	0	0	0	0
562111	Solid waste collection	0	0	0	0
562991	Septic tank & related services	0	0	0	0
621111	Offices of physicians (exc mental health)	0	0	0	0
621210	Offices of dentists	0	0	0	0
621310	Offices of chiropractors	0	0	0	0
621320	Offices of optometrists	0	0	0	0
621498	All other outpatient care centers	0	0	0	0
621610	Home health care services	0	0	0	0
622110	General medical & surgical hospitals	0	0	0	0
623110	Nursing care facilities	0	0	0	0
624120	Services for elderly & disabled persons	0	0	0	0
624190	Other individual & family services	0	0	0	0
624229	Other community housing services	0	0	0	0
624410	Child day care services	0	0	0	0
712110	Museums	0	0	0	0

Appendix 7. Continued

NAICS Code	NAICS Description	Total Establish.	Number of Firms		
			1 to 4	Number of Employees 5 to 19	20+
712110	Museums	0	0	0	0
713950	Bowling centers	0	0	0	0
721110	Hotels (exc casino hotels) & motels	0	0	0	0
721120	Casino hotels	0	0	0	0
721211	RV parks & campgrounds	0	0	0	0
721310	Rooming & boarding houses	0	0	0	0
722110	Full-service restaurants	0	-1	1	0
722211	Limited-service restaurants	0	0	0	0
722410	Drinking places (alcoholic beverages)	0	0	0	0
811111	General automotive repair	0	0	0	0
811121	Automotive body, paint & interior R&M	0	0	0	0
811191	Automotive oil change & lubrication shops	0	0	0	0
811192	Car washes	0	0	0	0
811213	Communication equipment R&M	0	0	0	0
811310	Commercial equipment (exc auto & elec) R&M	0	0	0	0
812191	Diet & weight reducing centers	0	0	0	0
812210	Funeral homes	0	0	0	0
812320	Dry-cleaning & laundry services (exc coin-op)	0	0	0	0
812910	Pet care (except veterinary) services	0	0	0	0
813110	Religious organizations	0	0	0	0
813211	Grant making foundations	0	0	0	0
813410	Civic & social organizations	0	0	0	0
813910	Business associations	0	0	0	0

Appendix 8. Other Parts of White Pine County, Percent Difference in Number of Firms by Size, 1998 to 2001

NAICS Code	NAICS Description	Total Establish.	Percent of Firms		
			1 to 4	Number of Employees 5 to 19	20+
113310	Logging	0.0%	-100.0%	Inf.	0.0%
212221	Gold ore mining	0.0%	0.0%	0.0%	0.0%
212234	Copper ore & nickel ore mining	0.0%	0.0%	0.0%	0.0%
213112	Oil & gas operations support activities	0.0%	0.0%	0.0%	0.0%
221122	Electric power distribution	0.0%	0.0%	0.0%	0.0%
233110	Land subdivision & land development	0.0%	0.0%	0.0%	0.0%
233210	Single-family housing construction	0.0%	0.0%	0.0%	0.0%
233310	Mfg & industrial building construction	0.0%	0.0%	0.0%	0.0%
234930	Industrial nonbuilding structure construction	0.0%	0.0%	0.0%	0.0%
234990	All other heavy construction	Inf	0.0%	Inf.	0.0%
235110	Plumbing, heating & AC contractor	0.0%	0.0%	0.0%	0.0%
235210	Painting & wall covering contractors	0.0%	0.0%	0.0%	0.0%
235310	Electrical contractors	0.0%	0.0%	0.0%	0.0%
235420	Drywall, acoustical & insulation contractors	0.0%	0.0%	0.0%	0.0%
235510	Carpentry contractors	0.0%	0.0%	0.0%	0.0%
235610	Roofing, siding, & sheet metal contractors	0.0%	0.0%	0.0%	0.0%
235710	Concrete contractors	0.0%	0.0%	0.0%	0.0%
235930	Excavation contractors	0.0%	0.0%	0.0%	0.0%
235990	All other special trade contractors	0.0%	0.0%	0.0%	0.0%
323110	Commercial lithographic printing	0.0%	0.0%	0.0%	0.0%
324110	Petroleum refineries	0.0%	0.0%	0.0%	0.0%
327320	Ready-mix concrete mfg	0.0%	0.0%	0.0%	0.0%
327390	Other concrete product mfg	0.0%	0.0%	0.0%	0.0%
327992	Ground or treated mineral & earth mfg	0.0%	0.0%	0.0%	0.0%
331525	Copper foundries (except die-casting)	0.0%	0.0%	0.0%	0.0%

Appendix 8. Continued

NAICS Code	NAICS Description	Total Establish.	Percent of Firms		
			1 to 4	Number of Employees 5 to 19	20+
332710	Machine shops	0.0%	0.0%	0.0%	0.0%
421120	Motor vehicle supplies & new parts whsle	0.0%	0.0%	0.0%	0.0%
421140	Motor vehicle parts (used) whsle	0.0%	0.0%	0.0%	0.0%
421490	Oth professional equipment & supplies whsle	0.0%	0.0%	0.0%	0.0%
421820	Farm & garden machinery & equipment whsle	0.0%	0.0%	Inf.	-100.0%
421840	Industrial supplies whsle	0.0%	0.0%	0.0%	0.0%
421930	Recyclable material whsle	0.0%	0.0%	0.0%	0.0%
422490	Other grocery & related products whsle	0.0%	0.0%	0.0%	0.0%
422520	Livestock whsle	0.0%	0.0%	0.0%	0.0%
422710	Petroleum bulk stations & terminals	0.0%	0.0%	0.0%	0.0%
422720	Petroleum prod whsle (exc bulk sta, terminals)	0.0%	0.0%	0.0%	0.0%
422810	Beer & ale whsle	0.0%	0.0%	0.0%	0.0%
422990	Other miscellaneous nondurable goods whsle	0.0%	0.0%	0.0%	0.0%
441110	New car dealers	0.0%	0.0%	0.0%	0.0%
441120	Used car dealers	0.0%	0.0%	0.0%	0.0%
441310	Automotive parts, accessories & tire stores	0.0%	0.0%	0.0%	0.0%
442110	Furniture stores	0.0%	0.0%	0.0%	0.0%
442210	Floor covering stores	0.0%	0.0%	0.0%	0.0%
444110	Home centers	0.0%	0.0%	0.0%	0.0%
444120	Paint & wallpaper stores	0.0%	0.0%	0.0%	0.0%
444220	Nursery & garden centers	0.0%	0.0%	0.0%	0.0%
445110	Grocery (except convenience) stores	0.0%	0.0%	0.0%	0.0%
445120	Convenience stores	0.0%	0.0%	0.0%	0.0%
445210	Meat markets	0.0%	0.0%	0.0%	0.0%
445310	Beer, wine & liquor stores	0.0%	0.0%	0.0%	0.0%
446110	Pharmacies & drug stores	0.0%	0.0%	0.0%	0.0%
446199	All other health & personal care stores	0.0%	0.0%	0.0%	0.0%
447110	Gasoline stations with convenience stores	0.0%	-100.0%	Inf.	0.0%
447190	Other gasoline stations	0.0%	0.0%	0.0%	0.0%
448140	Family clothing stores	0.0%	0.0%	0.0%	0.0%
448190	Other clothing stores	-100.0%	-100.0%	0.0%	0.0%
448310	Jewelry stores	0.0%	0.0%	0.0%	0.0%
451110	Sporting goods stores	0.0%	0.0%	0.0%	0.0%

Appendix 8. Continued

NAICS Code	NAICS Description	Total Establish.	Percent of Firms		
			1 to 4	Number of Employees 5 to 19	20+
451130	Sewing, needlework & piece goods stores	0.0%	0.0%	0.0%	0.0%
451211	Book stores	0.0%	0.0%	0.0%	0.0%
452990	All other general merchandise stores	0.0%	0.0%	0.0%	0.0%
453110	Florists	0.0%	0.0%	0.0%	0.0%
453220	Gift, novelty & souvenir stores	0.0%	0.0%	0.0%	0.0%
453910	Pet & pet supplies stores	0.0%	0.0%	0.0%	0.0%
454312	Liquefied petroleum gas (bottled gas) dealers	0.0%	0.0%	0.0%	0.0%
484110	General freight trucking, local	Inf.	Inf.	0.0%	0.0%
484121	General freight trucking, long-distance, TL	-100.0%	0.0%	-100.0%	0.0%
484122	General freight trucking, long-distance, LTL	Inf	Inf.	0.0%	0.0%
484210	Used household & office goods moving	0.0%	0.0%	0.0%	0.0%
484220	Specialized freight (exc used) trucking, local	0.0%	0.0%	0.0%	0.0%
484230	Specialized freight (exc used) trucking, LDist	0.0%	0.0%	0.0%	0.0%
488410	Motor vehicle towing	0.0%	0.0%	0.0%	0.0%
492110	Couriers	0.0%	0.0%	0.0%	0.0%
511110	Newspaper publishers	0.0%	0.0%	0.0%	0.0%
513112	Radio stations	0.0%	0.0%	0.0%	0.0%
513310	Wired telecommunications carriers	0.0%	0.0%	0.0%	0.0%
513322	Cellular & other wireless telecommunications	0.0%	0.0%	0.0%	0.0%
522110	Commercial banking	0.0%	0.0%	0.0%	0.0%
522130	Credit unions	0.0%	0.0%	0.0%	0.0%
524127	Direct title insurance carriers	0.0%	0.0%	0.0%	0.0%
524210	Insurance agencies & brokerages	0.0%	0.0%	0.0%	0.0%
524292	Insurance & pension funds, third party admin	Inf	Inf.	0.0%	0.0%
531110	Lessors of residential buildings & dwellings	0.0%	0.0%	0.0%	0.0%
531120	Lessors of nonres. bldg (exc miniwarehouses)	0.0%	0.0%	0.0%	0.0%
531190	Lessors of other real estate property	0.0%	0.0%	0.0%	0.0%

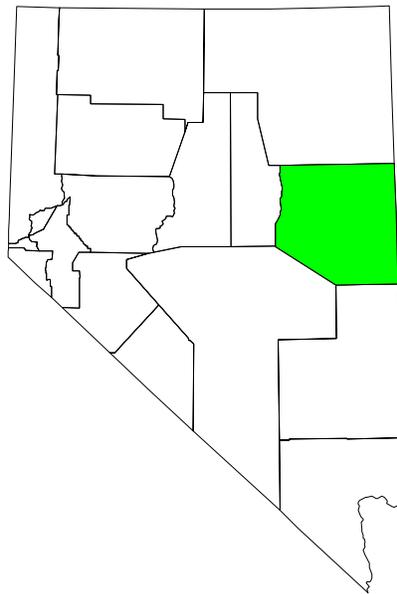
Appendix 8. Continued

NAICS Code	NAICS Description	Total Establish.	Percent of Firms		
			1 to 4	Number of Employees 5 to 19	20+
531210	Offices of real estate agents & brokers	0.0%	0.0%	0.0%	0.0%
531311	Residential property managers	0.0%	0.0%	0.0%	0.0%
532230	Video tape & disc rental	0.0%	0.0%	0.0%	0.0%
541110	Offices of lawyers	0.0%	0.0%	0.0%	0.0%
541211	Offices of certified public accountants	0.0%	0.0%	0.0%	0.0%
541213	Tax preparation services	0.0%	0.0%	0.0%	0.0%
541219	Other accounting services	0.0%	0.0%	0.0%	0.0%
541330	Engineering services	0.0%	0.0%	0.0%	0.0%
541370	Surveying, mapping (exc geophysical) services	0.0%	0.0%	0.0%	0.0%
541380	Testing laboratories	0.0%	0.0%	0.0%	0.0%
541611	Admin & gen management consulting services	0.0%	0.0%	0.0%	0.0%
541613	Marketing consulting services	0.0%	0.0%	0.0%	0.0%
541940	Veterinary services	0.0%	0.0%	0.0%	0.0%
551114	Corp, subsidiary & regional managing offices	0.0%	0.0%	0.0%	0.0%
561320	Temporary help services	0.0%	0.0%	0.0%	0.0%
561492	Court reporting & stenotype services	0.0%	0.0%	0.0%	0.0%
561720	Janitorial services	0.0%	0.0%	0.0%	0.0%
561920	Convention & trade show organizers	0.0%	0.0%	0.0%	0.0%
562111	Solid waste collection	0.0%	0.0%	0.0%	0.0%
562991	Septic tank & related services	0.0%	0.0%	0.0%	0.0%
621111	Offices of physicians (exc mental health)	0.0%	0.0%	0.0%	0.0%
621210	Offices of dentists	0.0%	0.0%	0.0%	0.0%
621310	Offices of chiropractors	0.0%	0.0%	0.0%	0.0%
621320	Offices of optometrists	0.0%	0.0%	0.0%	0.0%
621498	All other outpatient care centers	0.0%	0.0%	0.0%	0.0%
621610	Home health care services	0.0%	0.0%	0.0%	0.0%
622110	General medical & surgical hospitals	0.0%	0.0%	0.0%	0.0%
623110	Nursing care facilities	0.0%	0.0%	0.0%	0.0%
624120	Services for elderly & disabled persons	0.0%	0.0%	0.0%	0.0%
624190	Other individual & family services	0.0%	0.0%	0.0%	0.0%
624229	Other community housing services	0.0%	0.0%	0.0%	0.0%
624410	Child day care services	0.0%	0.0%	0.0%	0.0%
712110	Museums	0.0%	0.0%	0.0%	0.0%
713950	Bowling centers	0.0%	0.0%	0.0%	0.0%
721110	Hotels (exc casino hotels) & motels	0.0%	0.0%	0.0%	0.0%
721120	Casino hotels	0.0%	0.0%	0.0%	0.0%
721211	RV parks & campgrounds	0.0%	0.0%	0.0%	0.0%

Appendix 8. Continued

NAICS Code	NAICS Description	Total Establish.	Percent of Firms		
			1 to 4	Number of Employees 5 to 19	20+
721310	Rooming & boarding houses	0.0%	0.0%	0.0%	0.0%
722110	Full-service restaurants	0.0%	-50.0%	Inf.	0.0%
722211	Limited-service restaurants	0.0%	0.0%	0.0%	0.0%
722410	Drinking places (alcoholic beverages)	0.0%	0.0%	0.0%	0.0%
811111	General automotive repair	0.0%	0.0%	0.0%	0.0%
811121	Automotive body, paint & interior R&M	0.0%	0.0%	0.0%	0.0%
811191	Automotive oil change & lubrication shops	0.0%	0.0%	0.0%	0.0%
811192	Car washes	0.0%	0.0%	0.0%	0.0%
811213	Communication equipment R&M	0.0%	0.0%	0.0%	0.0%
811310	Commercial equipment (exc auto & elec) R&M	0.0%	0.0%	0.0%	0.0%
812191	Diet & weight reducing centers	0.0%	0.0%	0.0%	0.0%
812210	Funeral homes	0.0%	0.0%	0.0%	0.0%
812320	Dry-cleaning & laundry services (exc coin-op)	0.0%	0.0%	0.0%	0.0%
812910	Pet care (except veterinary) services	0.0%	0.0%	0.0%	0.0%
813110	Religious organizations	0.0%	0.0%	0.0%	0.0%
813211	Grant making foundations	0.0%	0.0%	0.0%	0.0%
813410	Civic & social organizations	0.0%	0.0%	0.0%	0.0%
813910	Business associations	0.0%	0.0%	0.0%	0.0%

**ANALYSIS OF SOCIO-ECONOMIC DATA AND TRENDS FOR
WHITE PINE COUNTY, PART III:
ECONOMIC BASE AND CHANGE**



**ANALYSIS OF SOCIO-ECONOMIC DATA AND TRENDS FOR
WHITE PINE COUNTY, PART III:
ECONOMIC BASE AND CHANGE**

Gaylene Nevers

Thomas R. Harris

Elizabeth Fadali

Gaylene Nevers is a Graduate Student in the Department of Resource Economics at the University of Nevada, Reno.

Thomas R. Harris is a Professor in the Department of Resource Economics and Director of the University Center for Economic Development at the University of Nevada, Reno.

Elizabeth Fadali is a Research Associate in the Department of Resource Economics at the University of Nevada, Reno.

March 2004

**UNIVERSITY
OF NEVADA
RENO**

The University of Nevada, Reno is an Equal Opportunity/Affirmative Action employer and does not discriminate on the basis of race, color, religion, sex, age, creed, national origin, veteran status, physical or mental disability, and in accordance with university policy, sexual orientation, in any program or activity it operates. The University of Nevada employs only United States citizens and aliens lawfully authorized to work in the United States.

This publication, *Analysis of Socio-Economic Data and Trends for White Pine County, Part III: Economic Base and Change*, was published by the University Center for Economic Development in the Department of Resource Economics at the University of Nevada, Reno. Funds for this publication were provided by the United States Department of Commerce Economic Development Administration under University Centers Program contract #07-66-05359. This publication's statements, findings, conclusions, recommendations, and/or data represent solely the findings and views of the authors and do not necessarily represent the views of the U.S. Department of Commerce, the Economic Development Administration, White Pine County Commissioners, Great Basin College, State of Nevada Commission on Economic Development, University of Nevada, Reno, or any reference sources used or quoted by this study. Reference to research projects, programs, books, magazines, or newspaper articles does not imply an endorsement or recommendation by the authors unless otherwise stated. Correspondence regarding this document should be sent to:

Thomas R. Harris, Director
University Center for Economic Development
University of Nevada, Reno
Department of Resource Economics
Mail Stop 204
Reno, Nevada 89557-0105
Phone: 775/784-6499



UCED
University of Nevada, Reno
Nevada Cooperative Extension
Department of Resource Economics

**ANALYSIS OF SOCIO-ECONOMIC DATA AND TRENDS FOR
WHITE PINE COUNTY, PART III:**

ECONOMIC BASE AND CHANGE

INTRODUCTION

The University Center for Economic Development conducted a study of the socio-economic trends in White Pine County. The results of this study can be used for background material for a Comprehensive Economic Development Strategy (CEDS) in White Pine County and the feasibility analysis for a regional business incubator. The analysis will focus on the economic base in White Pine County and its changes. This information could show a demand for a local business incubator.

STUDY AREA

For this analysis, White Pine County was divided into the City of Ely Study Area and Rest of White Pine County Study Area. The zip codes that make up the City of Ely Study Area are 89301 (Ely) and 89318 (McGill). All other zip codes in White Pine County were combined into the Rest of White Pine County Study Area.

DATA

A review of employment and income data is essential for identifying and understanding key sectors in the City of Ely Study Area and the Rest of White Pine County Study Area. Employment and income data provide information as to whose income depends directly on a particular industry. Employment, income, and output data can help determine: 1) which industries are growing and which are declining; 2) the importance of an industry to an area's economy relative to its importance nationally, and 3) how competitive are an area's industries with national counterparts.

ECONOMIC BASE ANALYSIS FOR CITY OF ELY

The economic base of a county refers to the relative size of its industries. A county is said to have a diversified economic base if several industries are relatively large. Conversely, if one or a few industries dominate a local economy, the economy is said to have a concentrated economic base. There are two techniques to measure economic base and changes in economic base. These are location quotients and shift-share analysis.

The economic base analysis also provides information on economic sectors that the City of Ely Study Area and Rest of White Pine County Study Area have been relatively successful in attracting and nurturing. These sectors often provide a basis for economic targeting activity for a local area.

Location Quotient Analysis

The degree of concentration of an area's industries is determined by calculated location quotients for individual economic sectors. Location quotients indicate the economic importance of each area industry relative to the same industry at the national level. Location quotients usually use employment as an indicator of an industry's size and importance. The primary focus of location quotients is to identify the industries that are either more important or less important statewide, or locally than nationally. The broader the economic base, that is the higher the location quotients, the more stable the economy of a community. On the other hand, very low location quotients represent industries that are largely underdeveloped and may offer an opportunity for future development.

An industry's location quotient is the ratio of the industry's share of employment in the county to the industry's share of employment in the nation. It is calculated as follows:

$$LQ_i = \frac{e_i / E}{n_i / N}$$

where

i = Economic Sector

LQ_i = Location quotient for economic sector i

e_i = Area employment in economic sector i

E = Total area employment

n_i = National employment in economic sector i

N = Total national employment

The interpretation of location quotients is as follows:

1. Every industry's output can be divided into two uses: export and local consumption (use).
2. The amount consumed (used) by an area is proportionate to the amount consumed locally.
3. If the location quotient for an economic sector is less than one, goods and services must be imported to satisfy local demands.

4. If the location quotient for an economic sector is equal to one, then the economy is approximately fulfilling the requirements of the local household and firms.
5. Finally, if the location quotient is greater than 1.25 for a particular sector, an area is an exporting sector. A self-sufficient economic sector is designated by a location quotient between 0.75 and 1.25 for a selected area. Finally, an importing economic sector is designated by a location quotient less than 0.75 for a selected area.

Shift-Share Analysis

The location quotient results provide insight into which economic sectors an area has been successful in developing. Additional insights into area's ability to attract and support specific economic sectors are provided by analyzing recent growth of an area's economic sectors. Specifically, an area may have a competitive advantage in developing a specific economic sector if the economic sector's employment or output expanded more rapidly (or declined less rapidly) in an area than for the nation as a whole.

The purpose of shift-share analysis is to determine an area's competitiveness and changing output patterns in the economic market place. Shift-share analysis assumes that there is a national component, an industrial mix component and a competitive share component to changes in sector output from 1998 to 2000.

National Growth Component

The sum of output in all industries in all communities makes up national output. One would expect that if an area's economy was maintaining its relative competitiveness, changes in the level of national output would be reflected in proportionately equal changes in the local output. The calculation of the national growth component, therefore, measures how much of the local output change is due to the national growth trends. The calculation is as follows:

$$\text{National Growth Component} = \text{NO} * \text{O}_i$$

where:

$$\text{rate of change in national output or NO} = \frac{\text{NO}_{2000} - \text{NO}_{1998}}{\text{NO}_{1998}}$$

O_i = county output in economic sector i

NO_{1998} is national real value of output in 1998, and

NO_{2000} is national real value of output in 2000.

Industrial Mix Component

On a national level, each industry grows or declines at some rate, at least partially independent of the rate of growth in the national economy. A local economy's performance will depend on its mix of industries, that is, on whether its economic base is concentrated in faster or slower growing industries. The industrial mix calculation indicates the expected growth in local industries if they grow at the same rate as their national counterparts. The expected local share of the particular industry is determined using the following equation:

$$\text{Industrial Mix Component} = (\text{rate of change in output of national sector } i \text{ or } NO_i - \text{rate of change in overall economic output of the nation or } NO) * O_i$$

Where

NO_i = national value of output in economic sector i

NO = total national output

O_i = area value of output in economic sector i

$$\text{Rate of change in } NO_i = \frac{NO_{i2000} - NO_{i1998}}{NO_{i1998}}$$

Competitive Share Component

A local industry's value of output grows or declines for a number of reasons, including changes in the national value of output level, changes in value of output by the same industry at the national level, and changes in local conditions. After the first two components have been calculated, the residual change, if any, is attributed to changes in the competitiveness of the local industry. The competitive share component measures this latter factor in value of output change. The competitive share component is measured as follows:

$$\text{Competitive Share } i = (\text{rate of change in } r_i - \text{rate of change in } n_i) * O_{i1998}$$

Where

O_i = county value of output in economic sector i

$$\text{Rate of change in } r_i = \frac{O_{i2000} - O_{i1998}}{O_{i1998}}$$

$$\text{Rate of change in } n_i = \frac{NO_{i2000} - NO_{i1998}}{NO_{i1998}}$$

CITY OF ELY STUDY AREA

For the City of Ely Study Area, an analysis of employment, income, and output trends will be made. Results of this analysis will assist in identifying base economic sectors as well as growing economic sectors in the City of Ely Study Area.

City of Ely Study Area Employment Analysis

For each economic sector, total employment, share of total City of Ely Study Area employment, and percentage change in sectoral employment from 1998 to 2000 are presented. Table 1 shows sectoral employment, and percentage changes in employment for the City of Ely from 1998 to 2000. From Table 1, overall employment in the City of Ely declined from 4,436 in 1998 to 4,217 in 2000 or a 4.9 percent decrease in employment.

One mining sector that realized employment growth from 1998 to 2000 was the Copper Ore Sector. Three of ten manufacturing sectors realized employment growth from 1998 to 2000. Three of the ten manufacturing sectors were new sectors in 2000. For commercial sectors (retail and services), only sixteen of thirty-six sectors realized positive employment growth from 1998 to 2000. The Hotel and Lodging Places Sector realized an increase in proportionate share of total City of Ely Study Area employment increasing from 6.6 percent in 1998 to 7.6 percent in 2000.

City of Ely Study Area Income Analysis

Income or employee compensation data is another important tool to help identify key industries in the City of Ely Study Area economy and complements the employment analysis. Although an industry may employ a high percentage of workers, it may not offer those workers high compensation or it may only hire on a seasonal, part-time, or temporary basis.

Data generally does not distinguish among industries that pay low wages, those that require seasonal or temporary work, and those that do both. However, it can be concluded that those industries with a large number of employees, large payrolls, and therefore, higher compensation per employee, are more important to the City of Ely Study Area than industries that do not have large numbers of employees or large payrolls.

By looking at total employee compensation and employee compensation per employee, the quality of job that various industries offer in the City of Ely Study Area can be derived. Although determining job quality is a subjective exercise, most economic development practitioners would agree that high-wage jobs are important.

Table 2 shows sectoral total real employee compensation and real employee compensation per job for 1998 and 2000 for the City of Ely Study Area. The employee compensation values have been deflated for inflation so the values are 2000 = 100.00. The percentage change in real employee compensation per job from 1998 to 2000 and employee compensation per job comparison to the 2000 national average are also shown in Table 2. For the City of Ely Study Area, total real employee compensation decreased by 0.4 percent while real employee compensation per job increased by 4.75 percent from 1998 to 2000.

None of the manufacturing sectors had employee compensation per job above the national average. Wages in the agricultural and mining sectors vary according to international price cycles.

A synopsis of sectoral employment and employee compensation data for the City of Ely is presented below:

- Sectoral employment and employee compensation data were analyzed for 1998 and 2000.
- Three new manufacturing sectors and five new commercial sectors located in the City of Ely Study Area from 1998 to 2000.
- Four manufacturing sectors left the City of Ely Study Area from 1998 to 2000.
- Some commercial sectors have realized some employment increases that may be due to local entrepreneurship efforts and expanded tourism activities.

Results of Location Quotients for City of Ely Study Area

Location quotients were derived for 1998 and 2000, as well as the percentage change in location quotients. The percentage change in location quotient values may yield information as to possible changes in economic base for the City of Ely Study Area.

Table 3 shows the primary export sectors for the City of Ely Study Area. Many of the natural resource industries (agriculture and mining) in the City of Ely Study Area are exporting sectors. Four manufacturing sectors were exporting sectors. Three of these four sectors experienced new activity during the 1998 to 2000 period. Of the retail sectors, one sector was an exporter, the Automotive Dealers & Service Stations Sector.

Also from Table 3, the Hotel and Lodging Sector, which is part of the gaming industry, is an exporter. Finally, the Federal Government, Non-Military Sector is an exporter in the City of Ely Study Area. The federal government in Washington, D.C. decides the level and activity of

federal government operations. The decisions in Washington, D.C. can impact the economic viability in the City of Ely economy.

Results of Shift-Share Analysis in the City of Ely Study Area

The City of Ely Study Area overall output and individual sectoral output realize increases and decreases due to a number of reasons, such as overall national output growth, growth, changes in output by a similar national industry and/or changes in local conditions. After national component and industrial mix component have been calculated, the residual change, if any, is attributed to changes in competitiveness of the local economy and its industries. Table 4 shows the results of the shift-share analysis for the City of Ely Study Area.

For the City of Ely Study Area, the total city economy real value of output decreased by \$10.4 million from 1998 to 2000. The national overall impact on value of output in the City of Ely Study Area was positive, since the overall growth in national value of output from 1998 to 2000 was 10.43 percent. Overall study area industry mix component was negative, as well as the competitive component. The negative industry mix component means that the City of Ely Study Area has proportionately more slower growing national sectors than faster growing national sectors. The overall negative competitive effect means economic sectors in the City of Ely Study Area are not competitive. The City of Ely Study Area decision-makers should investigate the decreasing overall competitiveness.

As for individual economic sectors, the Gold Ore Sector realized a decrease in total sectoral value of output of approximately \$35.5 million, while the Copper Ore Sector realized an increase in total sector value of output of approximately \$42.9 million. Of interest is the positive competitive effect of approximately \$44.2 million by the Copper Ore Sector. This shows the competitive advantage of the City of Ely Study Area's Copper Ore Sector. Also, nine manufacturing sectors in the City of Ely Study Area had positive competitive effects with six of the nine sectors being new sectors in 2000. Given the emphasis to diversifying rural economies away from natural resources and the casino industries, the positive competitive effect values for manufacturing sectors are promising indicators for local strategy of economic diversification.

All nine active construction sectors in the City of Ely had negative competitive effect values. Negative competitive effects in all of the construction sectors may raise concern. Construction usually reflects increased spending by investors or builders in land, materials, and other items needed to build business structures or homes. Increased value of output and positive

competitive effect in the construction sectors usually signifies an increase or stronger local economy. Three construction sectors realized an increase in real value of output from 1998 to 2000: the New Residential Structures Sector, the New Utility Structures Sector, and the Maintenance and Repair, Residential Sector. In the City of Ely Study Area, overall construction industry output has declined from 1998 to 2000, and the overall competitive effect has been negative.

It is interesting that fourteen commercial sectors (retail and service) realized some positive competitive advantage in value of output growth from 1998 to 2000. Five of these sectors are new economic sectors in 2000. Local economic development officials may want to investigate reasons for these positive competitive impacts and if these sectors need assistance to maintain or even expand their positive competitive advantage.

Trends in shift-share analysis for the City of Ely Study Area can be summarized as follows:

- The City of Ely Study Area realized a decrease in real value of output of approximately \$10.4 million from 1998 to 2000.
- The decrease in total City of Ely Study Area value of output was due to a negative national industry mix growth rate and negative competitive effects which overrode the positive national effects from 1998 to 2000.
- The Gold Ore Sector in the City of Ely Study Area realized an approximate \$35.5 million decrease in total sectoral value of output from 1998 to 2000. The Copper Ore Sector realized an increase of approximately \$42.9 million in sectoral and real value of output from 1998 to 2000.
- Nine manufacturing sectors realized positive value of production competitive effects from 1998 to 2000. This indicates that the City of Ely Study Area has been rather successful in diversifying its local economy.
- All construction sectors, whose activity is related to other sectors in the City of Ely Study Area, realized a negative competitive effect. Decreased Construction Sector competitiveness should be of concern to the City of Ely Study Area economic development officials because construction usually reflects increased or decreased spending by investors and homebuilders in industrial site and/or home construction.
- Results of the shift-share analysis indicate that fourteen commercial sectors had positive competitive effects. It may be advantageous for the City of Ely Study Area economic development officials to analyze reasons why positive competitive advantage occurred for those economic sectors. This may mean focusing on tourism development and enhancing local entrepreneurial skills.

- Results of location quotient and shift-share analysis can be used to screen existing industries for industrial targeting in the City of Ely Study Area.

Table 1. Sector Employment, Share of Employment and Percentage Change in Sector Employment for City of Ely, 1998 to 2000.

	Sector	1998 Employment Number	1998 Employment Share	2000 Employment Number	2000 Employment Share	Percentage Change in Employment (%)
1	Dairy Farm Products	4	0.09%	3	0.07%	-25.00
2	Poultry and Eggs	0	0.00%	0	0.00%	N/A
3	Ranch Fed Cattle	5	0.11%	5	0.12%	0.00
4	Range Fed Cattle	24	0.54%	29	0.69%	20.83
5	Cattle Feedlots	1	0.02%	2	0.05%	100.00
6	Sheep, Lambs and Goats	11	0.25%	13	0.31%	18.18
7	Hogs, Pigs and Swine	0	0.00%	0	0.00%	N/A
8	Other Meat Animal Products	1	0.02%	1	0.02%	0.00
9	Miscellaneous Livestock	3	0.07%	3	0.07%	0.00
10	Cotton	0	0.00%	0	0.00%	N/A
11	Food Grains	0	0.00%	0	0.00%	N/A
12	Feed Grains	1	0.02%	1	0.02%	0.00
13	Hay and Pasture	96	2.16%	92	2.18%	-4.17
14	Grass Seeds	0	0.00%	0	0.00%	N/A
15	Tobacco	0	0.00%	0	0.00%	N/A
16	Fruits	0	0.00%	0	0.00%	N/A
17	Tree Nuts	0	0.00%	0	0.00%	N/A
18	Vegetables	0	0.00%	0	0.00%	N/A
19	Sugar Crops	0	0.00%	0	0.00%	N/A
20	Miscellaneous Crops	0	0.00%	0	0.00%	N/A
21	Oil Bearing Crops	0	0.00%	0	0.00%	N/A
22	Forest Products	0	0.00%	0	0.00%	N/A
23	Greenhouse and Nursery Products	0	0.00%	0	0.00%	N/A
24	Forestry Products	1	0.02%	0	0.00%	-100.00
25	Commercial Fishing	1	0.02%	1	0.02%	0.00
26	Agricultural, Forestry, Fishery Services	25	0.56%	20	0.47%	-20.00
27	Landscape and Horticultural Services	0	0.00%	0	0.00%	N/A
28	Iron Ores	0	0.00%	0	0.00%	N/A
29	Copper Ores	71	1.60%	252	5.98%	254.93
30	Lead and Zinc Ores	0	0.00%	0	0.00%	N/A
31	Gold Ores	198	4.46%	62	1.47%	-68.69
32	Silver Ores	0	0.00%	0	0.00%	N/A
33	Ferroalloy Ores, Except Vanadium	0	0.00%	0	0.00%	N/A

Table 1. Continued.

	Sector	1998 Employment Number	1998 Employment Share	2000 Employment Number	2000 Employment Share	Percentage Change in Employment (%)
34	Metal Mining Services	154	3.47%	28	0.66%	-81.82
35	Uranium-radium-vanadium Ores	0	0.00%	0	0.00%	N/A
36	Metal Ores, Not Elsewhere Classified	0	0.00%	0	0.00%	N/A
37	Coal Mining	0	0.00%	0	0.00%	N/A
38	Natural Gas & Crude Petroleum	0	0.00%	0	0.00%	N/A
39	Natural Gas Liquids	0	0.00%	0	0.00%	N/A
40	Dimension Stone	0	0.00%	2	0.05%	INF
41	Sand and Gravel	1	0.02%	1	0.02%	0.00
42	Clay, Ceramic, Refractory Minerals, N.E.C.	0	0.00%	0	0.00%	N/A
43	Potash, Soda, and Borate Minerals	0	0.00%	0	0.00%	N/A
44	Phosphate Rock	0	0.00%	0	0.00%	N/A
45	Chemical, Fertilizer Mineral Mining, N.E.C.	0	0.00%	0	0.00%	N/A
46	Nonmetallic Minerals (Except Fuels) Service	0	0.00%	0	0.00%	N/A
47	Misc. Nonmetallic Minerals, N.E.C.	0	0.00%	0	0.00%	N/A
48	New Residential Structures	107	2.41%	102	2.42%	-4.67
49	New Industrial and Commercial Buildings	42	0.95%	40	0.95%	-4.76
50	New Utility Structures	6	0.14%	6	0.14%	0.00
51	New Highways and Streets	7	0.16%	6	0.14%	-14.29
52	New Farm Structures	0	0.00%	0	0.00%	N/A
53	New Mineral Extraction Facilities	7	0.16%	6	0.14%	-14.29
54	New Government Facilities	24	0.54%	23	0.55%	-4.17
55	Maintenance and Repair, Residential	18	0.41%	17	0.40%	-5.56
56	Maintenance and Repair Other Facilities	30	0.68%	29	0.69%	-3.33
57	Maintenance and Repair Oil and Gas Wells	53	1.19%	19	0.45%	-64.15
58	Meat Packing Plants	0	0.00%	0	0.00%	N/A
59	Sausages and Other Prepared Meats	0	0.00%	0	0.00%	N/A
60	Poultry Processing	0	0.00%	0	0.00%	N/A
61	Creamery Butter	0	0.00%	0	0.00%	N/A
62	Cheese, Natural and Processed	0	0.00%	0	0.00%	N/A
63	Condensed and Evaporated Milk	0	0.00%	0	0.00%	N/A
64	Ice Cream and Frozen Desserts	0	0.00%	0	0.00%	N/A
65	Fluid Milk	0	0.00%	0	0.00%	N/A
66	Canned Specialties	0	0.00%	0	0.00%	N/A
67	Canned Fruits and Vegetables	0	0.00%	0	0.00%	N/A
68	Dehydrated Food Products	0	0.00%	0	0.00%	N/A

Table 1. Continued.

	Sector	1998 Employment Number	1998 Employment Share	2000 Employment Number	2000 Employment Share	Percentage Change in Employment (%)
69	Pickles, Sauces, and Salad Dressings	0	0.00%	0	0.00%	N/A
70	Frozen Fruits, Juices and Vegetables	0	0.00%	0	0.00%	N/A
71	Frozen Specialties	0	0.00%	0	0.00%	N/A
72	Flour and Other Grain Mill Products	0	0.00%	0	0.00%	N/A
73	Cereal Preparations	0	0.00%	0	0.00%	N/A
74	Rice Milling	0	0.00%	0	0.00%	N/A
75	Blended and Prepared Flour	0	0.00%	0	0.00%	N/A
76	Wet Corn Milling	0	0.00%	0	0.00%	N/A
77	Dog, Cat, and Other Pet Food	0	0.00%	0	0.00%	N/A
78	Prepared Feeds, N.E.C	0	0.00%	0	0.00%	N/A
79	Bread, Cake, and Related Products	0	0.00%	0	0.00%	N/A
80	Cookies and Crackers	0	0.00%	0	0.00%	N/A
81	Sugar	0	0.00%	0	0.00%	N/A
82	Confectionery Products	0	0.00%	0	0.00%	N/A
83	Chocolate and Cocoa Products	0	0.00%	0	0.00%	N/A
84	Chewing Gum	0	0.00%	0	0.00%	N/A
85	Salted and Roasted Nuts & Seeds	0	0.00%	0	0.00%	N/A
86	Cottonseed Oil Mills	0	0.00%	0	0.00%	N/A
87	Soybean Oil Mills	0	0.00%	0	0.00%	N/A
88	Vegetable Oil Mills, N.E.C	0	0.00%	0	0.00%	N/A
89	Animal and Marine Fats and Oils	0	0.00%	0	0.00%	N/A
90	Shortening and Cooking Oils	0	0.00%	0	0.00%	N/A
91	Malt Beverages	0	0.00%	0	0.00%	N/A
92	Malt	0	0.00%	0	0.00%	N/A
93	Wines, Brandy, and Brandy Spirits	0	0.00%	0	0.00%	N/A
94	Distilled Liquor, Except Brandy	0	0.00%	0	0.00%	N/A
95	Bottled and Canned Soft Drinks & Water	0	0.00%	0	0.00%	N/A
96	Flavoring Extracts and Syrups, N.E.C.	0	0.00%	0	0.00%	N/A
97	Canned and Cured Sea Foods	0	0.00%	0	0.00%	N/A
98	Prepared Fresh Or Frozen Fish Or Seafood	0	0.00%	0	0.00%	N/A
99	Roasted Coffee	0	0.00%	0	0.00%	N/A
100	Potato Chips & Similar Snacks	0	0.00%	0	0.00%	N/A
101	Manufactured Ice	0	0.00%	0	0.00%	N/A
102	Macaroni and Spaghetti	0	0.00%	0	0.00%	N/A
103	Food Preparations, N.E.C	0	0.00%	0	0.00%	N/A

Table 1. Continued.

	Sector	1998 Employment Number	1998 Employment Share	2000 Employment Number	2000 Employment Share	Percentage Change in Employment (%)
104	Cigarettes	0	0.00%	0	0.00%	N/A
105	Cigars	0	0.00%	0	0.00%	N/A
106	Chewing and Smoking Tobacco	0	0.00%	0	0.00%	N/A
107	Tobacco Stemming and Redrying	0	0.00%	0	0.00%	N/A
108	Broadwoven Fabric Mills and Finishing	0	0.00%	0	0.00%	N/A
109	Narrow Fabric Mills	0	0.00%	0	0.00%	N/A
110	Women's Hosiery, Except Socks	0	0.00%	0	0.00%	N/A
111	Hosiery, N.E.C	0	0.00%	0	0.00%	N/A
112	Knit Outerwear Mills	0	0.00%	0	0.00%	N/A
113	Knit Underwear Mills	0	0.00%	0	0.00%	N/A
114	Knit Fabric Mills	0	0.00%	0	0.00%	N/A
115	Knitting Mills, N.E.C.	0	0.00%	0	0.00%	N/A
116	Yarn Mills and Finishing Of Textiles, N.E.C.	0	0.00%	0	0.00%	N/A
117	Carpets and Rugs	0	0.00%	0	0.00%	N/A
118	Thread Mills	0	0.00%	0	0.00%	N/A
119	Coated Fabrics, Not Rubberized	0	0.00%	0	0.00%	N/A
120	Tire Cord and Fabric	0	0.00%	0	0.00%	N/A
121	Nonwoven Fabrics	0	0.00%	0	0.00%	N/A
122	Cordage and Twine	0	0.00%	0	0.00%	N/A
123	Textile Goods, N.E.C	0	0.00%	0	0.00%	N/A
124	Apparel Made From Purchased Materials	0	0.00%	0	0.00%	N/A
125	Curtains and Draperies	0	0.00%	0	0.00%	N/A
126	Housefurnishings, N.E.C	0	0.00%	0	0.00%	N/A
127	Textile Bags	0	0.00%	0	0.00%	N/A
128	Canvas Products	0	0.00%	0	0.00%	N/A
129	Pleating and Stitching	0	0.00%	0	0.00%	N/A
130	Automotive and Apparel Trimmings	5	0.11%	0	0.00%	-100.00
131	Schiffi Machine Embroideries	0	0.00%	0	0.00%	N/A
132	Fabricated Textile Products, N.E.C.	0	0.00%	0	0.00%	N/A
133	Logging Camps and Logging Contractors	2	0.05%	0	0.00%	-100.00
134	Sawmills and Planing Mills, General	0	0.00%	0	0.00%	N/A
135	Hardwood Dimension and Flooring Mills	0	0.00%	0	0.00%	N/A
136	Special Product Sawmills, N.E.C	0	0.00%	0	0.00%	N/A
137	Millwork	0	0.00%	0	0.00%	N/A
138	Wood Kitchen Cabinets	0	0.00%	0	0.00%	N/A

Table 1. Continued.

	Sector	1998 Employment Number	1998 Employment Share	2000 Employment Number	2000 Employment Share	Percentage Change in Employment (%)
139	Veneer and Plywood	0	0.00%	0	0.00%	N/A
140	Structural Wood Members, N.E.C	0	0.00%	0	0.00%	N/A
141	Wood Containers	0	0.00%	0	0.00%	N/A
142	Wood Pallets and Skids	0	0.00%	0	0.00%	N/A
143	Mobile Homes	0	0.00%	0	0.00%	N/A
144	Prefabricated Wood Buildings	0	0.00%	0	0.00%	N/A
145	Wood Preserving	0	0.00%	0	0.00%	N/A
146	Reconstituted Wood Products	0	0.00%	0	0.00%	N/A
147	Wood Products, N.E.C	0	0.00%	0	0.00%	N/A
148	Wood Household Furniture	0	0.00%	0	0.00%	N/A
149	Upholstered Household Furniture	0	0.00%	0	0.00%	N/A
150	Metal Household Furniture	0	0.00%	0	0.00%	N/A
151	Mattresses and Bedsprings	0	0.00%	0	0.00%	N/A
152	Wood TV and Radio Cabinets	0	0.00%	0	0.00%	N/A
153	Household Furniture, N.E.C	0	0.00%	0	0.00%	N/A
154	Wood Office Furniture	0	0.00%	0	0.00%	N/A
155	Metal Office Furniture	0	0.00%	0	0.00%	N/A
156	Public Building Furniture	0	0.00%	0	0.00%	N/A
157	Wood Partitions and Fixtures	0	0.00%	0	0.00%	N/A
158	Metal Partitions and Fixtures	0	0.00%	0	0.00%	N/A
159	Blinds, Shades, and Drapery Hardware	0	0.00%	0	0.00%	N/A
160	Furniture and Fixtures, N.E.C	0	0.00%	0	0.00%	N/A
161	Pulp Mills	0	0.00%	0	0.00%	N/A
162	Paper Mills, Except Building Paper	0	0.00%	0	0.00%	N/A
163	Paperboard Mills	0	0.00%	0	0.00%	N/A
164	Paperboard Containers and Boxes	0	0.00%	0	0.00%	N/A
165	Paper Coated & Laminated Packaging	0	0.00%	0	0.00%	N/A
166	Paper Coated & Laminated N.E.C.	0	0.00%	0	0.00%	N/A
167	Bags, Plastic	0	0.00%	0	0.00%	N/A
168	Bags, Paper	0	0.00%	0	0.00%	N/A
169	Die-cut Paper and Board	0	0.00%	0	0.00%	N/A
170	Sanitary Paper Products	0	0.00%	0	0.00%	N/A
171	Envelopes	0	0.00%	0	0.00%	N/A
172	Stationery Products	0	0.00%	0	0.00%	N/A
173	Converted Paper Products, N.E.C	0	0.00%	0	0.00%	N/A

Table 1. Continued.

	Sector	1998 Employment Number	1998 Employment Share	2000 Employment Number	2000 Employment Share	Percentage Change in Employment (%)
174	Newspapers	13	0.29%	16	0.38%	23.08
175	Periodicals	0	0.00%	0	0.00%	N/A
176	Book Publishing	0	0.00%	0	0.00%	N/A
177	Book Printing	0	0.00%	0	0.00%	N/A
178	Miscellaneous Publishing	0	0.00%	0	0.00%	N/A
179	Commercial Printing	5	0.11%	7	0.17%	40.00
180	Manifold Business Forms	0	0.00%	0	0.00%	N/A
181	Greeting Card Publishing	0	0.00%	0	0.00%	N/A
182	Blankbooks and Looseleaf Binder	0	0.00%	0	0.00%	N/A
183	Bookbinding & Related	0	0.00%	0	0.00%	N/A
184	Typesetting	0	0.00%	0	0.00%	N/A
185	Plate Making	0	0.00%	0	0.00%	N/A
186	Alkalies & Chlorine	0	0.00%	0	0.00%	N/A
187	Industrial Gases	0	0.00%	0	0.00%	N/A
188	Inorganic Pigments	0	0.00%	0	0.00%	N/A
189	Inorganic Chemicals Nec.	0	0.00%	0	0.00%	N/A
190	Cyclic Crudes, Interm. & Indus. Organic Chem.	0	0.00%	0	0.00%	N/A
191	Plastics Materials and Resins	0	0.00%	0	0.00%	N/A
192	Synthetic Rubber	0	0.00%	0	0.00%	N/A
193	Cellulosic Man-made Fibers	0	0.00%	0	0.00%	N/A
194	Organic Fibers, Noncellulosic	0	0.00%	0	0.00%	N/A
195	Drugs	0	0.00%	0	0.00%	N/A
196	Soap and Other Detergents	0	0.00%	0	0.00%	N/A
197	Polishes and Sanitation Goods	0	0.00%	0	0.00%	N/A
198	Surface Active Agents	0	0.00%	0	0.00%	N/A
199	Toilet Preparations	0	0.00%	10	0.24%	INF
200	Paints and Allied Products	0	0.00%	0	0.00%	N/A
201	Gum and Wood Chemicals	0	0.00%	0	0.00%	N/A
202	Nitrogenous and Phosphatic Fertilizers	0	0.00%	0	0.00%	N/A
203	Fertilizers, Mixing Only	0	0.00%	0	0.00%	N/A
204	Agricultural Chemicals, N.E.C	0	0.00%	0	0.00%	N/A
205	Adhesives and Sealants	0	0.00%	0	0.00%	N/A
206	Explosives	0	0.00%	0	0.00%	N/A
207	Printing Ink	0	0.00%	0	0.00%	N/A
208	Carbon Black	0	0.00%	0	0.00%	N/A

Table 1. Continued.

	Sector	1998 Employment Number	1998 Employment Share	2000 Employment Number	2000 Employment Share	Percentage Change in Employment (%)
209	Chemical Preparations, N.E.C	0	0.00%	0	0.00%	N/A
210	Petroleum Refining	0	0.00%	0	0.00%	N/A
211	Paving Mixtures and Blocks	0	0.00%	0	0.00%	N/A
212	Asphalt Felts and Coatings	0	0.00%	0	0.00%	N/A
213	Lubricating Oils and Greases	0	0.00%	0	0.00%	N/A
214	Petroleum and Coal Products, N.E.C.	0	0.00%	0	0.00%	N/A
215	Tires and Inner Tubes	0	0.00%	0	0.00%	N/A
216	Rubber and Plastics Footwear	0	0.00%	0	0.00%	N/A
217	Rubber and Plastics Hose and Belting	0	0.00%	0	0.00%	N/A
218	Gaskets, Packing and Sealing Devices	0	0.00%	0	0.00%	N/A
219	Fabricated Rubber Products, N.E.C.	0	0.00%	0	0.00%	N/A
220	Miscellaneous Plastics Products	0	0.00%	0	0.00%	N/A
221	Leather Tanning and Finishing	0	0.00%	0	0.00%	N/A
222	Footwear Cut Stock	0	0.00%	0	0.00%	N/A
223	House Slippers	0	0.00%	0	0.00%	N/A
224	Shoes, Except Rubber	0	0.00%	0	0.00%	N/A
225	Leather Gloves and Mittens	0	0.00%	0	0.00%	N/A
226	Luggage	0	0.00%	0	0.00%	N/A
227	Women's Handbags and Purses	0	0.00%	0	0.00%	N/A
228	Personal Leather Goods	0	0.00%	0	0.00%	N/A
229	Leather Goods, N.E.C	0	0.00%	0	0.00%	N/A
230	Glass and Glass Products, Exc Containers	0	0.00%	0	0.00%	N/A
231	Glass Containers	0	0.00%	0	0.00%	N/A
232	Cement, Hydraulic	0	0.00%	0	0.00%	N/A
233	Brick and Structural Clay Tile	0	0.00%	0	0.00%	N/A
234	Ceramic Wall and Floor Tile	0	0.00%	0	0.00%	N/A
235	Clay Refractories	0	0.00%	0	0.00%	N/A
236	Structural Clay Products, N.E.C	0	0.00%	0	0.00%	N/A
237	Vitreous Plumbing Fixtures	0	0.00%	0	0.00%	N/A
238	Vitreous China Food Utensils	0	0.00%	0	0.00%	N/A
239	Fine Earthenware Food Utensils	0	0.00%	0	0.00%	N/A
240	Porcelain Electrical Supplies	0	0.00%	0	0.00%	N/A
241	Pottery Products, N.E.C	0	0.00%	0	0.00%	N/A
242	Concrete Block and Brick	0	0.00%	0	0.00%	N/A
243	Concrete Products, N.E.C	0	0.00%	0	0.00%	N/A

Table 1. Continued.

	Sector	1998 Employment Number	1998 Employment Share	2000 Employment Number	2000 Employment Share	Percentage Change in Employment (%)
244	Ready-mixed Concrete	0	0.00%	6	0.14%	INF
245	Lime	0	0.00%	0	0.00%	N/A
246	Gypsum Products	0	0.00%	0	0.00%	N/A
247	Cut Stone and Stone Products	0	0.00%	0	0.00%	N/A
248	Abrasive Products	0	0.00%	0	0.00%	N/A
249	Asbestos Products	0	0.00%	0	0.00%	N/A
250	Minerals, Ground Or Treated	0	0.00%	0	0.00%	N/A
251	Mineral Wool	0	0.00%	0	0.00%	N/A
252	Nonclay Refractories	0	0.00%	0	0.00%	N/A
253	Nonmetallic Mineral Products, N.E.C.	0	0.00%	0	0.00%	N/A
254	Blast Furnaces and Steel Mills	0	0.00%	0	0.00%	N/A
255	Electrometallurgical Products	0	0.00%	0	0.00%	N/A
256	Steel Wire and Related Products	0	0.00%	0	0.00%	N/A
257	Cold Finishing Of Steel Shapes	0	0.00%	0	0.00%	N/A
258	Steel Pipe and Tubes	0	0.00%	0	0.00%	N/A
259	Iron and Steel Foundries	0	0.00%	0	0.00%	N/A
260	Primary Copper	0	0.00%	0	0.00%	N/A
261	Primary Aluminum	0	0.00%	0	0.00%	N/A
262	Primary Nonferrous Metals, N.E.C.	0	0.00%	0	0.00%	N/A
263	Secondary Nonferrous Metals	0	0.00%	0	0.00%	N/A
264	Copper Rolling and Drawing	0	0.00%	0	0.00%	N/A
265	Aluminum Rolling and Drawing	0	0.00%	0	0.00%	N/A
266	Nonferrous Rolling and Drawing, N.E.C.	0	0.00%	0	0.00%	N/A
267	Nonferrous Wire Drawing and Insulating	0	0.00%	0	0.00%	N/A
268	Aluminum Foundries	0	0.00%	0	0.00%	N/A
269	Brass, Bronze, and Copper Foundries	0	0.00%	1	0.02%	INF
270	Nonferrous Castings, N.E.C.	0	0.00%	0	0.00%	N/A
271	Metal Heat Treating	0	0.00%	0	0.00%	N/A
272	Primary Metal Products, N.E.C.	0	0.00%	0	0.00%	N/A
273	Metal Cans	0	0.00%	0	0.00%	N/A
274	Metal Barrels, Drums and Pails	0	0.00%	0	0.00%	N/A
275	Cutlery	0	0.00%	0	0.00%	N/A
276	Hand and Edge Tools, N.E.C.	0	0.00%	0	0.00%	N/A
277	Hand Saws and Saw Blades	0	0.00%	0	0.00%	N/A
278	Hardware, N.E.C.	0	0.00%	0	0.00%	N/A

Table 1. Continued.

	Sector	1998 Employment Number	1998 Employment Share	2000 Employment Number	2000 Employment Share	Percentage Change in Employment (%)
279	Metal Sanitary Ware	0	0.00%	0	0.00%	N/A
280	Plumbing Fixture Fittings and Trim	0	0.00%	0	0.00%	N/A
281	Heating Equipment, Except Electric	0	0.00%	0	0.00%	N/A
282	Fabricated Structural Metal	0	0.00%	0	0.00%	N/A
283	Metal Doors, Sash, and Trim	0	0.00%	0	0.00%	N/A
284	Fabricated Plate Work (Boiler Shops)	0	0.00%	0	0.00%	N/A
285	Sheet Metal Work	0	0.00%	0	0.00%	N/A
286	Architectural Metal Work	0	0.00%	0	0.00%	N/A
287	Prefabricated Metal Buildings	0	0.00%	0	0.00%	N/A
288	Miscellaneous Metal Work	0	0.00%	0	0.00%	N/A
289	Screw Machine Products and Bolts, Etc.	0	0.00%	0	0.00%	N/A
290	Iron and Steel Forgings	0	0.00%	0	0.00%	N/A
291	Nonferrous Forgings	0	0.00%	0	0.00%	N/A
292	Automotive Stampings	0	0.00%	0	0.00%	N/A
293	Crowns and Closures	0	0.00%	0	0.00%	N/A
294	Metal Stampings, N.E.C.	0	0.00%	0	0.00%	N/A
295	Plating and Polishing	0	0.00%	0	0.00%	N/A
296	Metal Coating and Allied Services	0	0.00%	0	0.00%	N/A
297	Small Arms Ammunition	0	0.00%	0	0.00%	N/A
298	Ammunition, Except For Small Arms, N.E.C.	0	0.00%	0	0.00%	N/A
299	Small Arms	0	0.00%	0	0.00%	N/A
300	Other Ordnance and Accessories	0	0.00%	0	0.00%	N/A
301	Industrial and Fluid Valves	0	0.00%	0	0.00%	N/A
302	Steel Springs, Except Wire	0	0.00%	0	0.00%	N/A
303	Pipe, Valves, and Pipe Fittings	0	0.00%	0	0.00%	N/A
304	Miscellaneous Fabricated Wire Products	0	0.00%	0	0.00%	N/A
305	Metal Foil and Leaf	0	0.00%	0	0.00%	N/A
306	Fabricated Metal Products, N.E.C.	0	0.00%	0	0.00%	N/A
307	Steam Engines and Turbines	0	0.00%	0	0.00%	N/A
308	Internal Combustion Engines, N.E.C.	0	0.00%	0	0.00%	N/A
309	Farm Machinery and Equipment	0	0.00%	0	0.00%	N/A
310	Lawn and Garden Equipment	0	0.00%	0	0.00%	N/A
311	Construction Machinery and Equipment	0	0.00%	0	0.00%	N/A
312	Mining Machinery, Except Oil Field	0	0.00%	0	0.00%	N/A
313	Oil Field Machinery	0	0.00%	0	0.00%	N/A

Table 1. Continued.

	Sector	1998 Employment Number	1998 Employment Share	2000 Employment Number	2000 Employment Share	Percentage Change in Employment (%)
314	Elevators and Moving Stairways	0	0.00%	0	0.00%	N/A
315	Conveyors and Conveying Equipment	0	0.00%	0	0.00%	N/A
316	Hoists, Cranes, and Monorails	0	0.00%	0	0.00%	N/A
317	Industrial Trucks and Tractors	0	0.00%	0	0.00%	N/A
318	Machine Tools, Metal Cutting Types	0	0.00%	0	0.00%	N/A
319	Machine Tools, Metal Forming Types	0	0.00%	0	0.00%	N/A
320	Industrial Patterns	0	0.00%	0	0.00%	N/A
321	Special Dies and Tools and Accessories	0	0.00%	0	0.00%	N/A
322	Power Driven Hand Tools	0	0.00%	0	0.00%	N/A
323	Rolling Mill Machinery	0	0.00%	0	0.00%	N/A
324	Welding Apparatus	0	0.00%	0	0.00%	N/A
325	Metalworking Machinery, N.E.C.	0	0.00%	0	0.00%	N/A
326	Textile Machinery	0	0.00%	0	0.00%	N/A
327	Woodworking Machinery	0	0.00%	0	0.00%	N/A
328	Paper Industries Machinery	0	0.00%	0	0.00%	N/A
329	Printing Trades Machinery	0	0.00%	0	0.00%	N/A
330	Food Products Machinery	0	0.00%	0	0.00%	N/A
331	Special Industry Machinery N.E.C.	0	0.00%	0	0.00%	N/A
332	Pumps and Compressors	0	0.00%	0	0.00%	N/A
333	Ball and Roller Bearings	0	0.00%	0	0.00%	N/A
334	Blowers and Fans	0	0.00%	0	0.00%	N/A
335	Packaging Machinery	0	0.00%	0	0.00%	N/A
336	Power Transmission Equipment	0	0.00%	0	0.00%	N/A
337	Industrial Furnaces and Ovens	0	0.00%	0	0.00%	N/A
338	General Industrial Machinery, N.E.C	0	0.00%	0	0.00%	N/A
339	Electronic Computers	0	0.00%	0	0.00%	N/A
340	Computer Storage Devices	0	0.00%	0	0.00%	N/A
341	Computer Terminals	0	0.00%	0	0.00%	N/A
342	Computer Peripheral Equipment,	0	0.00%	0	0.00%	N/A
343	Calculating and Accounting Machines	0	0.00%	0	0.00%	N/A
344	Typewriters and Office Machines N.E.C.	0	0.00%	0	0.00%	N/A
345	Automatic Merchandising Machine	0	0.00%	0	0.00%	N/A
346	Commercial Laundry Equipment	0	0.00%	0	0.00%	N/A
347	Refrigeration and Heating Equipment	0	0.00%	0	0.00%	N/A
348	Measuring and Dispensing Pumps	0	0.00%	0	0.00%	N/A

Table 1. Continued.

	Sector	1998 Employment Number	1998 Employment Share	2000 Employment Number	2000 Employment Share	Percentage Change in Employment (%)
349	Service Industry Machines, N.E.C.	0	0.00%	0	0.00%	N/A
350	Carburetors, Pistons, Rings, Valves	0	0.00%	0	0.00%	N/A
351	Fluid Power Cylinders & Actuators	0	0.00%	0	0.00%	N/A
352	Fluid Power Pumps & Motors	0	0.00%	0	0.00%	N/A
353	Scales and Balances	0	0.00%	0	0.00%	N/A
354	Industrial Machines N.E.C.	6	0.14%	8	0.19%	33.33
355	Transformers	0	0.00%	0	0.00%	N/A
356	Switchgear and Switchboard Apparatus	0	0.00%	0	0.00%	N/A
357	Motors and Generators	0	0.00%	0	0.00%	N/A
358	Carbon and Graphite Products	0	0.00%	0	0.00%	N/A
359	Relays & Industrial Controls	0	0.00%	0	0.00%	N/A
360	Electrical Industrial Apparatus, N.E.C.	0	0.00%	0	0.00%	N/A
361	Household Cooking Equipment	0	0.00%	0	0.00%	N/A
362	Household Refrigerators and Freezers	0	0.00%	0	0.00%	N/A
363	Household Laundry Equipment	0	0.00%	0	0.00%	N/A
364	Electric Housewares and Fans	0	0.00%	0	0.00%	N/A
365	Household Vacuum Cleaners	0	0.00%	0	0.00%	N/A
366	Household Appliances, N.E.C.	0	0.00%	0	0.00%	N/A
367	Electric Lamps	0	0.00%	0	0.00%	N/A
368	Wiring Devices	0	0.00%	0	0.00%	N/A
369	Lighting Fixtures and Equipment	0	0.00%	0	0.00%	N/A
370	Radio and TV Receiving Sets	0	0.00%	0	0.00%	N/A
371	Phonograph Records and Tape	0	0.00%	0	0.00%	N/A
372	Telephone and Telegraph Apparatus	0	0.00%	0	0.00%	N/A
373	Radio and TV Communication Equipment	0	0.00%	0	0.00%	N/A
374	Communications Equipment N.E.C.	0	0.00%	0	0.00%	N/A
375	Electron Tubes	0	0.00%	0	0.00%	N/A
376	Printed Circuit Boards	0	0.00%	0	0.00%	N/A
377	Semiconductors and Related Devices	0	0.00%	0	0.00%	N/A
378	Electronic Components, N.E.C.	0	0.00%	0	0.00%	N/A
379	Storage Batteries	0	0.00%	0	0.00%	N/A
380	Primary Batteries, Dry and Wet	0	0.00%	0	0.00%	N/A
381	Engine Electrical Equipment	0	0.00%	0	0.00%	N/A
382	Magnetic & Optical Recording Media	0	0.00%	0	0.00%	N/A
383	Electrical Equipment, N.E.C.	0	0.00%	0	0.00%	N/A

Table 1. Continued.

	Sector	1998 Employment Number	1998 Employment Share	2000 Employment Number	2000 Employment Share	Percentage Change in Employment (%)
384	Motor Vehicles	0	0.00%	0	0.00%	N/A
385	Truck and Bus Bodies	0	0.00%	0	0.00%	N/A
386	Motor Vehicle Parts and Accessories	0	0.00%	0	0.00%	N/A
387	Truck Trailers	0	0.00%	0	0.00%	N/A
388	Motor Homes	0	0.00%	0	0.00%	N/A
389	Aircraft	0	0.00%	0	0.00%	N/A
390	Aircraft and Missile Engines and Parts	0	0.00%	0	0.00%	N/A
391	Aircraft and Missile Equipment,	0	0.00%	0	0.00%	N/A
392	Ship Building and Repairing	0	0.00%	0	0.00%	N/A
393	Boat Building and Repairing	0	0.00%	0	0.00%	N/A
394	Railroad Equipment	3	0.07%	0	0.00%	-100.00
395	Motorcycles, Bicycles, and Parts	0	0.00%	0	0.00%	N/A
396	Complete Guided Missiles	0	0.00%	0	0.00%	N/A
397	Travel Trailers and Camper	0	0.00%	0	0.00%	N/A
398	Tanks and Tank Components	0	0.00%	0	0.00%	N/A
399	Transportation Equipment, N.E.C	0	0.00%	0	0.00%	N/A
400	Search & Navigation Equipment	0	0.00%	0	0.00%	N/A
401	Laboratory Apparatus & Furniture	0	0.00%	0	0.00%	N/A
402	Automatic Temperature Controls	0	0.00%	0	0.00%	N/A
403	Mechanical Measuring Devices	0	0.00%	0	0.00%	N/A
404	Instruments To Measure Electricity	0	0.00%	0	0.00%	N/A
405	Analytical Instruments	0	0.00%	0	0.00%	N/A
406	Optical Instruments & Lenses	0	0.00%	0	0.00%	N/A
407	Surgical and Medical Instrument	0	0.00%	0	0.00%	N/A
408	Surgical Appliances and Supplies	0	0.00%	0	0.00%	N/A
409	Dental Equipment and Supplies	0	0.00%	0	0.00%	N/A
410	X-Ray Apparatus	0	0.00%	0	0.00%	N/A
411	Electromedical Apparatus	0	0.00%	0	0.00%	N/A
412	Ophthalmic Goods	0	0.00%	0	0.00%	N/A
413	Photographic Equipment and Supplies	0	0.00%	0	0.00%	N/A
414	Watches, Clocks, and Parts	0	0.00%	0	0.00%	N/A
415	Jewelry, Precious Metal	0	0.00%	0	0.00%	N/A
416	Silverware and Plated Ware	0	0.00%	0	0.00%	N/A
417	Jewelers Materials and Lapidary Work	0	0.00%	0	0.00%	N/A
418	Musical Instruments	0	0.00%	0	0.00%	N/A

Table 1. Continued.

	Sector	1998 Employment Number	1998 Employment Share	2000 Employment Number	2000 Employment Share	Percentage Change in Employment (%)
419	Dolls	0	0.00%	0	0.00%	N/A
420	Games, Toys, and Children's Vehicles	0	0.00%	0	0.00%	N/A
421	Sporting and Athletic Goods, N.E.C.	0	0.00%	0	0.00%	N/A
422	Pens and Mechanical Pencils	0	0.00%	0	0.00%	N/A
423	Lead Pencils and Art Goods	0	0.00%	0	0.00%	N/A
424	Marking Devices	0	0.00%	0	0.00%	N/A
425	Carbon Paper and Inked Ribbons	0	0.00%	0	0.00%	N/A
426	Costume Jewelry	0	0.00%	0	0.00%	N/A
427	Fasteners, Buttons, Needles, Pins	0	0.00%	0	0.00%	N/A
428	Brooms and Brushes	0	0.00%	0	0.00%	N/A
429	Signs and Advertising Displays	0	0.00%	0	0.00%	N/A
430	Burial Caskets and Vaults	0	0.00%	0	0.00%	N/A
431	Hard Surface Floor Coverings	0	0.00%	0	0.00%	N/A
432	Manufacturing Industries, N.E.C.	5	0.11%	0	0.00%	-100.00
433	Railroads and Related Services	8	0.18%	4	0.09%	-50.00
434	Local, Interurban Passenger Transit	1	0.02%	4	0.09%	300.00
435	Motor Freight Transport and Warehousing	35	0.79%	34	0.81%	-2.86
436	Water Transportation	0	0.00%	0	0.00%	N/A
437	Air Transportation	16	0.36%	18	0.43%	12.50
438	Pipe Lines, Except Natural Gas	0	0.00%	0	0.00%	N/A
439	Arrangement Of Passenger Transportation	2	0.05%	7	0.17%	250.00
440	Transportation Services	2	0.05%	7	0.17%	250.00
441	Communications, Except Radio and TV	4	0.09%	3	0.07%	-25.00
442	Radio and TV Broadcasting	5	0.11%	3	0.07%	-40.00
443	Electric Services	41	0.92%	26	0.62%	-36.59
444	Gas Production and Distribution	0	0.00%	0	0.00%	N/A
445	Water Supply and Sewerage Systems	0	0.00%	0	0.00%	N/A
446	Sanitary Services and Steam Supply	5	0.11%	3	0.07%	-40.00
447	Wholesale Trade	87	1.96%	64	1.52%	-26.44
448	Building Materials & Gardening	29	0.65%	26	0.62%	-10.34
449	General Merchandise Stores	38	0.86%	46	1.09%	21.05
450	Food Stores	113	2.55%	104	2.47%	-7.96
451	Automotive Dealers & Service Stations	181	4.08%	193	4.58%	6.63
452	Apparel & Accessory Stores	12	0.27%	13	0.31%	8.33
453	Furniture & Home Furnishings Stores	20	0.45%	20	0.47%	0.00

Table 1. Continued.

	Sector	1998 Employment Number	1998 Employment Share	2000 Employment Number	2000 Employment Share	Percentage Change in Employment (%)
454	Eating & Drinking	186	4.19%	170	4.03%	-8.60
455	Miscellaneous Retail	225	5.07%	163	3.87%	-27.56
456	Banking	58	1.31%	31	0.74%	-46.55
457	Credit Agencies	102	2.30%	106	2.51%	3.92
458	Security and Commodity Brokers	1	0.02%	1	0.02%	0.00
459	Insurance Carriers	5	0.11%	2	0.05%	-60.00
460	Insurance Agents and Brokers	13	0.29%	9	0.21%	-30.77
461	Owner-occupied Dwellings	0	0.00%	0	0.00%	N/A
462	Real Estate	49	1.10%	36	0.85%	-26.53
463	Hotels and Lodging Places	293	6.61%	320	7.59%	9.22
464	Laundry, Cleaning and Shoe Repair	20	0.45%	12	0.28%	-40.00
465	Portrait and Photographic Studios	0	0.00%	0	0.00%	N/A
466	Beauty and Barber Shops	0	0.00%	0	0.00%	N/A
467	Funeral Service and Crematories	8	0.18%	6	0.14%	-25.00
468	Miscellaneous Personal Services	16	0.36%	12	0.28%	-25.00
469	Advertising	0	0.00%	0	0.00%	N/A
470	Other Business Services	0	0.00%	0	0.00%	N/A
471	Photofinishing, Commercial Photography	0	0.00%	0	0.00%	N/A
472	Services To Buildings	27	0.61%	0	0.00%	-100.00
473	Equipment Rental and Leasing	0	0.00%	0	0.00%	N/A
474	Personnel Supply Services	39	0.88%	91	2.16%	133.33
475	Computer and Data Processing Services	0	0.00%	0	0.00%	N/A
476	Detective and Protective Services	38	0.86%	0	0.00%	-100.00
477	Automobile Rental and Leasing	0	0.00%	0	0.00%	N/A
478	Automobile Parking and Car Wash	0	0.00%	3	0.07%	INF
479	Automobile Repair and Services	50	1.13%	39	0.92%	-22.00
480	Electrical Repair Service	5	0.11%	5	0.12%	0.00
481	Watch, Clock, Jewelry and Furniture Repair	0	0.00%	0	0.00%	N/A
482	Miscellaneous Repair Shops	7	0.16%	7	0.17%	0.00
483	Motion Pictures	3	0.07%	15	0.36%	400.00
484	Theatrical Producers, Bands Etc.	0	0.00%	0	0.00%	N/A
485	Bowling Alleys and Pool Halls	3	0.07%	3	0.07%	0.00
486	Commercial Sports Except Racing	0	0.00%	0	0.00%	N/A
487	Racing and Track Operation	0	0.00%	0	0.00%	N/A
488	Amusement and Recreation Services, N.E.C.	0	0.00%	6	0.14%	INF

Table 1. Continued.

	Sector	1998 Employment Number	1998 Employment Share	2000 Employment Number	2000 Employment Share	Percentage Change in Employment (%)
489	Membership Sports and Recreation Clubs	0	0.00%	0	0.00%	N/A
490	Doctors and Dentists	111	2.50%	120	2.85%	8.11
491	Nursing and Protective Care	92	2.07%	99	2.35%	7.61
492	Hospitals	0	0.00%	0	0.00%	N/A
493	Other Medical and Health Services	42	0.95%	33	0.78%	-21.43
494	Legal Services	10	0.23%	9	0.21%	-10.00
495	Elementary and Secondary Schools	0	0.00%	1	0.02%	INF
496	Colleges, Universities, Schools	0	0.00%	1	0.02%	INF
497	Other Educational Services	7	0.16%	1	0.02%	-85.71
498	Job Trainings & Related Services	0	0.00%	0	0.00%	N/A
499	Child Day Care Services	19	0.43%	24	0.57%	26.32
500	Social Services, N.E.C.	20	0.45%	26	0.62%	30.00
501	Residential Care	0	0.00%	0	0.00%	N/A
502	Other Nonprofit Organizations	3	0.07%	7	0.17%	133.33
503	Business Associations	1	0.02%	1	0.02%	0.00
504	Labor and Civic Organizations	48	1.08%	42	1.00%	-12.50
505	Religious Organizations	0	0.00%	0	0.00%	N/A
506	Engineering, Architectural Services	14	0.32%	13	0.31%	-7.14
507	Accounting, Auditing and Bookkeeping	112	2.52%	62	1.47%	-44.64
508	Management and Consulting Services	19	0.43%	14	0.33%	-26.32
509	Research, Development & Testing Services	0	0.00%	6	0.14%	INF
510	Local Government Passenger Transit	0	0.00%	0	0.00%	N/A
511	State and Local Electric Utilities	0	0.00%	0	0.00%	N/A
512	Other State and Local Govt Enterprises	40	0.90%	41	0.97%	2.50
513	U.S. Postal Service	25	0.56%	25	0.59%	0.00
514	Federal Electric Utilities	0	0.00%	0	0.00%	N/A
515	Other Federal Government Enterprises	0	0.00%	0	0.00%	N/A
516	Noncomparable Imports	0	0.00%	0	0.00%	N/A
517	Scrap	0	0.00%	0	0.00%	N/A
518	Used and Secondhand Goods	0	0.00%	0	0.00%	N/A
519	Federal Government – Military	20	0.45%	20	0.47%	0.00
520	Federal Government – Non-Military	220	4.96%	248	5.88%	12.73
521	Commodity Credit Corporation	0	0.00%	0	0.00%	N/A
522	State & Local Government – Education	469	10.57%	502	11.90%	7.04
523	State & Local Government – Non-Education	459	10.35%	482	11.43%	5.01

Table 1. Continued.

	Sector	1998 Employment Number	1998 Employment Share	2000 Employment Number	2000 Employment Share	Percentage Change in Employment (%)
524	Rest Of The World Industry	0	0.00%	0	0.00%	N/A
525	Domestic Services	22	0.50%	21	0.50%	-4.55
526	Dummy	0	0.00%	0	0.00%	N/A
527	Dummy	0	0.00%	0	0.00%	N/A
528	Inventory Valuation Adjustment	0	0.00%	0	0.00%	N/A
	Totals	4,436	100.00%	4,217	100.00%	

Table 2. Sectoral Real Employee Compensation, Real Employer Compensation Per Job, Percentage Change in Real Employee Compensation Per Job from 1998 to 2000, and National Comparison of Sectoral Employee Compensation Per Job in 2000 for City of Ely.

Sector	1998 Real Employee Compensation (\$1,000)	1998 Real Employee Compensation per Job (\$)	2000 Real Employee Compensation (\$1,000)	2000 Real Employee Compensation per Job (\$)	Percent Change from 1998 to 2000 (%)	2000 National Comparison (%)
1 Dairy Farm Products	341.799	85,450	257.000	85,667	0.25	558.76%
2 Poultry and Eggs	0.000	0	0.000	0	N/A	0.00%
3 Ranch Fed Cattle	96.325	19,265	130.000	26,000	34.96	735.54%
4 Range Fed Cattle	462.983	19,291	626.000	21,586	11.90	475.19%
5 Cattle Feedlots	98.397	98,397	136.000	68,000	-30.89	507.26%
6 Sheep, Lambs and Goats	52.824	4,802	68.000	5,231	8.93	411.77%
7 Hogs, Pigs and Swine	0.000	0	0.000	0	N/A	0.00%
8 Other Meat Animal Products	16.572	16,572	19.000	19,000	14.65	413.40%
9 Miscellaneous Livestock	59.038	19,679	58.000	19,333	-1.76	623.48%
10 Cotton	0.000	0	0.000	0	N/A	0.00%
11 Food Grains	0.000	0	0.000	0	N/A	0.00%
12 Feed Grains	5.179	5,179	5.000	5,000	-3.45	230.92%
13 Hay and Pasture	378.051	3,938	407.000	4,424	12.34	528.14%
14 Grass Seeds	0.000	0	0.000	0	N/A	0.00%
15 Tobacco	0.000	0	0.000	0	N/A	0.00%
16 Fruits	0.000	0	0.000	0	N/A	0.00%
17 Tree Nuts	0.000	0	0.000	0	N/A	0.00%
18 Vegetables	0.000	0	0.000	0	N/A	0.00%
19 Sugar Crops	0.000	0	0.000	0	N/A	0.00%
20 Miscellaneous Crops	0.000	0	1.000	0	N/A	0.00%
21 Oil Bearing Crops	0.000	0	0.000	0	N/A	0.00%
22 Forest Products	0.000	0	0.000	0	N/A	0.00%
23 Greenhouse and Nursery Products	0.000	0	0.000	0	N/A	0.00%
24 Forestry Products	16.572	16,572	0.000	0	-100.00	0.00%
25 Commercial Fishing	232.009	232,009	31.000	31,000	-86.64	639.84%
26 Agricultural, Forestry, Fishery Services	152.256	6,090	92.000	4,600	-24.47	52.31%
27 Landscape and Horticultural Services	0.000	0	0.000	0	N/A	0.00%
28 Iron Ores	0.000	0	0.000	0	N/A	0.00%

Table 2. Continued.

	Sector	1998 Real Employee Compensation (\$1,000)	1998 Real Employee Compensation per Job (\$)	2000 Real Employee Compensation (\$1,000)	2000 Real Employee Compensation per Job (\$)	Percent Change from 1998 to 2000 (%)	2000 National Comparison (%)
29	Copper Ores	3,064.801	43,166	13,785.000	54,702	26.72	103.12%
30	Lead and Zinc Ores	0.000	0	0.000	0	N/A	0.00%
31	Gold Ores	12,036.518	60,790	4,364.000	70,387	15.79	109.78%
32	Silver Ores	0.000	0	0.000	0	N/A	0.00%
33	Ferroalloy Ores, Except Vanadium	0.000	0	0.000	0	N/A	0.00%
34	Metal Mining Services	10,560.566	68,575	2,287.000	81,679	19.11	147.30%
35	Uranium-radium-vanadium Ores	0.000	0	0.000	0	N/A	0.00%
36	Metal Ores, Not Elsewhere Classified	0.000	0	0.000	0	N/A	0.00%
37	Coal Mining	0.000	0	0.000	0	N/A	0.00%
38	Natural Gas & Crude Petroleum	0.000	0	0.000	0	N/A	0.00%
39	Natural Gas Liquids	0.000	0	0.000	0	N/A	0.00%
40	Dimension Stone	0.000	0	19.000	9,500	INF	21.45%
41	Sand and Gravel	25.894	25,894	12.000	12,000	-53.66	27.31%
42	Clay, Ceramic, Refractory Minerals, N.E.C.	0.000	0	0.000	0	N/A	0.00%
43	Potash, Soda, and Borate Minerals	0.000	0	0.000	0	N/A	0.00%
44	Phosphate Rock	0.000	0	0.000	0	N/A	0.00%
45	Chemical, Fertilizer Mineral Mining, N.E.C.	0.000	0	0.000	0	N/A	0.00%
46	Nonmetallic Minerals (Except Fuels) Service	0.000	0	0.000	0	N/A	0.00%
47	Misc. Nonmetallic Minerals, N.E.C.	0.000	0	0.000	0	N/A	0.00%
48	New Residential Structures	2,124.335	19,854	2,139.000	20,971	5.63	91.82%
49	New Industrial and Commercial Buildings	1,228.406	29,248	1,239.000	30,975	5.91	92.70%
50	New Utility Structures	182.293	30,382	184.000	30,667	0.94	91.21%
51	New Highways and Streets	192.651	27,522	196.000	32,667	18.70	102.81%
52	New Farm Structures	0.000	0	0.000	0	N/A	0.00%
53	New Mineral Extraction Facilities	120.148	17,164	110.000	18,333	6.81	47.31%
54	New Government Facilities	952.895	39,704	962.000	41,826	5.34	92.81%
55	Maintenance and Repair, Residential	466.090	25,894	468.000	27,529	6.32	93.78%
56	Maintenance and Repair Other Facilities	880.392	29,346	889.000	30,655	4.46	92.37%
57	Maintenance and Repair Oil and Gas Wells	90.111	1,700	43.000	2,263	33.11	8.75%
58	Meat Packing Plants	0.000	0	0.000	0	N/A	0.00%
59	Sausages and Other Prepared Meats	0.000	0	0.000	0	N/A	0.00%
60	Poultry Processing	0.000	0	0.000	0	N/A	0.00%

Table 2. Continued.

	Sector	1998 Real Employee Compensation (\$1,000)	1998 Real Employee Compensation per Job (\$)	2000 Real Employee Compensation (\$1,000)	2000 Real Employee Compensation per Job (\$)	Percent Change from 1998 to 2000 (%)	2000 National Comparison (%)
61	Creamery Butter	0.000	0	0.000	0	N/A	0.00%
62	Cheese, Natural and Processed	0.000	0	0.000	0	N/A	0.00%
63	Condensed and Evaporated Milk	0.000	0	0.000	0	N/A	0.00%
64	Ice Cream and Frozen Desserts	0.000	0	0.000	0	N/A	0.00%
65	Fluid Milk	0.000	0	0.000	0	N/A	0.00%
66	Canned Specialties	0.000	0	0.000	0	N/A	0.00%
67	Canned Fruits and Vegetables	0.000	0	0.000	0	N/A	0.00%
68	Dehydrated Food Products	0.000	0	0.000	0	N/A	0.00%
69	Pickles, Sauces, and Salad Dressings	0.000	0	0.000	0	N/A	0.00%
70	Frozen Fruits, Juices and Vegetables	0.000	0	0.000	0	N/A	0.00%
71	Frozen Specialties	0.000	0	0.000	0	N/A	0.00%
72	Flour and Other Grain Mill Products	0.000	0	0.000	0	N/A	0.00%
73	Cereal Preparations	0.000	0	0.000	0	N/A	0.00%
74	Rice Milling	0.000	0	0.000	0	N/A	0.00%
75	Blended and Prepared Flour	0.000	0	0.000	0	N/A	0.00%
76	Wet Corn Milling	0.000	0	0.000	0	N/A	0.00%
77	Dog, Cat, and Other Pet Food	0.000	0	0.000	0	N/A	0.00%
78	Prepared Feeds, N.E.C	0.000	0	0.000	0	N/A	0.00%
79	Bread, Cake, and Related Products	0.000	0	0.000	0	N/A	0.00%
80	Cookies and Crackers	0.000	0	0.000	0	N/A	0.00%
81	Sugar	0.000	0	0.000	0	N/A	0.00%
82	Confectionery Products	0.000	0	0.000	0	N/A	0.00%
83	Chocolate and Cocoa Products	0.000	0	0.000	0	N/A	0.00%
84	Chewing Gum	0.000	0	0.000	0	N/A	0.00%
85	Salted and Roasted Nuts & Seeds	0.000	0	0.000	0	N/A	0.00%
86	Cottonseed Oil Mills	0.000	0	0.000	0	N/A	0.00%
87	Soybean Oil Mills	0.000	0	0.000	0	N/A	0.00%
88	Vegetable Oil Mills, N.E.C	0.000	0	0.000	0	N/A	0.00%
89	Animal and Marine Fats and Oils	0.000	0	0.000	0	N/A	0.00%
90	Shortening and Cooking Oils	0.000	0	0.000	0	N/A	0.00%
91	Malt Beverages	0.000	0	0.000	0	N/A	0.00%
92	Malt	0.000	0	0.000	0	N/A	0.00%

Table 2. Continued.

	Sector	1998 Real Employee Compensation (\$1,000)	1998 Real Employee Compensation per Job (\$)	2000 Real Employee Compensation (\$1,000)	2000 Real Employee Compensation per Job (\$)	Percent Change from 1998 to 2000 (%)	2000 National Comparison (%)
93	Wines, Brandy, and Brandy Spirits	0.000	0	0.000	0	N/A	0.00%
94	Distilled Liquor, Except Brandy	0.000	0	0.000	0	N/A	0.00%
95	Bottled and Canned Soft Drinks & Water	0.000	0	0.000	0	N/A	0.00%
96	Flavoring Extracts and Syrups, N.E.C.	0.000	0	0.000	0	N/A	0.00%
97	Canned and Cured Sea Foods	0.000	0	0.000	0	N/A	0.00%
98	Prepared Fresh Or Frozen Fish Or Seafood	0.000	0	0.000	0	N/A	0.00%
99	Roasted Coffee	0.000	0	0.000	0	N/A	0.00%
100	Potato Chips & Similar Snacks	0.000	0	0.000	0	N/A	0.00%
101	Manufactured Ice	0.000	0	0.000	0	N/A	0.00%
102	Macaroni and Spaghetti	0.000	0	0.000	0	N/A	0.00%
103	Food Preparations, N.E.C	0.000	0	0.000	0	N/A	0.00%
104	Cigarettes	0.000	0	0.000	0	N/A	0.00%
105	Cigars	0.000	0	0.000	0	N/A	0.00%
106	Chewing and Smoking Tobacco	0.000	0	0.000	0	N/A	0.00%
107	Tobacco Stemming and Redrying	0.000	0	0.000	0	N/A	0.00%
108	Broadwoven Fabric Mills and Finishing	0.000	0	0.000	0	N/A	0.00%
109	Narrow Fabric Mills	0.000	0	0.000	0	N/A	0.00%
110	Women's Hosiery, Except Socks	0.000	0	0.000	0	N/A	0.00%
111	Hosiery, N.E.C	0.000	0	0.000	0	N/A	0.00%
112	Knit Outerwear Mills	0.000	0	0.000	0	N/A	0.00%
113	Knit Underwear Mills	0.000	0	0.000	0	N/A	0.00%
114	Knit Fabric Mills	0.000	0	0.000	0	N/A	0.00%
115	Knitting Mills, N.E.C.	0.000	0	0.000	0	N/A	0.00%
116	Yarn Mills and Finishing Of Textiles, N.E.C.	0.000	0	0.000	0	N/A	0.00%
117	Carpets and Rugs	0.000	0	0.000	0	N/A	0.00%
118	Thread Mills	0.000	0	0.000	0	N/A	0.00%
119	Coated Fabrics, Not Rubberized	0.000	0	0.000	0	N/A	0.00%
120	Tire Cord and Fabric	0.000	0	0.000	0	N/A	0.00%
121	Nonwoven Fabrics	0.000	0	0.000	0	N/A	0.00%
122	Cordage and Twine	0.000	0	0.000	0	N/A	0.00%
123	Textile Goods, N.E.C	0.000	0	0.000	0	N/A	0.00%
124	Apparel Made From Purchased Materials	0.000	0	0.000	0	N/A	0.00%

Table 2. Continued.

Sector	1998 Real Employee Compensation (\$1,000)	1998 Real Employee Compensation per Job (\$)	2000 Real Employee Compensation (\$1,000)	2000 Real Employee Compensation per Job (\$)	Percent Change from 1998 to 2000 (%)	2000 National Comparison (%)
125 Curtains and Draperies	0.000	0	0.000	0	N/A	0.00%
126 Housefurnishings, N.E.C	0.000	0	0.000	0	N/A	0.00%
127 Textile Bags	0.000	0	0.000	0	N/A	0.00%
128 Canvas Products	0.000	0	0.000	0	N/A	0.00%
129 Pleating and Stitching	0.000	0	0.000	0	N/A	0.00%
130 Automotive and Apparel Trimmings	61.110	12,222	0.000	0	-100.00	0.00%
131 Schiffi Machine Embroideries	0.000	0	0.000	0	N/A	0.00%
132 Fabricated Textile Products, N.E.C.	0.000	0	0.000	0	N/A	0.00%
133 Logging Camps and Logging Contractors	91.147	45,573	0.000	0	-100.00	0.00%
134 Sawmills and Planing Mills, General	0.000	0	0.000	0	N/A	0.00%
135 Hardwood Dimension and Flooring Mills	0.000	0	0.000	0	N/A	0.00%
136 Special Product Sawmills, N.E.C	0.000	0	0.000	0	N/A	0.00%
137 Millwork	0.000	0	0.000	0	N/A	0.00%
138 Wood Kitchen Cabinets	0.000	0	0.000	0	N/A	0.00%
139 Veneer and Plywood	0.000	0	0.000	0	N/A	0.00%
140 Structural Wood Members, N.E.C	0.000	0	0.000	0	N/A	0.00%
141 Wood Containers	0.000	0	0.000	0	N/A	0.00%
142 Wood Pallets and Skids	0.000	0	0.000	0	N/A	0.00%
143 Mobile Homes	0.000	0	0.000	0	N/A	0.00%
144 Prefabricated Wood Buildings	0.000	0	0.000	0	N/A	0.00%
145 Wood Preserving	0.000	0	0.000	0	N/A	0.00%
146 Reconstituted Wood Products	0.000	0	0.000	0	N/A	0.00%
147 Wood Products, N.E.C	0.000	0	0.000	0	N/A	0.00%
148 Wood Household Furniture	0.000	0	0.000	0	N/A	0.00%
149 Upholstered Household Furniture	0.000	0	0.000	0	N/A	0.00%
150 Metal Household Furniture	0.000	0	0.000	0	N/A	0.00%
151 Mattresses and Bedsprings	0.000	0	0.000	0	N/A	0.00%
152 Wood TV and Radio Cabinets	0.000	0	0.000	0	N/A	0.00%
153 Household Furniture, N.E.C	0.000	0	0.000	0	N/A	0.00%
154 Wood Office Furniture	0.000	0	0.000	0	N/A	0.00%
155 Metal Office Furniture	0.000	0	0.000	0	N/A	0.00%
156 Public Building Furniture	0.000	0	0.000	0	N/A	0.00%

Table 2. Continued.

Sector	1998 Real Employee Compensation (\$1,000)	1998 Real Employee Compensation per Job (\$)	2000 Real Employee Compensation (\$1,000)	2000 Real Employee Compensation per Job (\$)	Percent Change from 1998 to 2000 (%)	2000 National Comparison (%)
157 Wood Partitions and Fixtures	0.000	0	0.000	0	N/A	0.00%
158 Metal Partitions and Fixtures	0.000	0	0.000	0	N/A	0.00%
159 Blinds, Shades, and Drapery Hardware	0.000	0	0.000	0	N/A	0.00%
160 Furniture and Fixtures, N.E.C	0.000	0	0.000	0	N/A	0.00%
161 Pulp Mills	0.000	0	0.000	0	N/A	0.00%
162 Paper Mills, Except Building Paper	0.000	0	0.000	0	N/A	0.00%
163 Paperboard Mills	0.000	0	0.000	0	N/A	0.00%
164 Paperboard Containers and Boxes	0.000	0	0.000	0	N/A	0.00%
165 Paper Coated & Laminated Packaging	0.000	0	0.000	0	N/A	0.00%
166 Paper Coated & Laminated N.E.C.	0.000	0	0.000	0	N/A	0.00%
167 Bags, Plastic	0.000	0	0.000	0	N/A	0.00%
168 Bags, Paper	0.000	0	0.000	0	N/A	0.00%
169 Die-cut Paper and Board	0.000	0	0.000	0	N/A	0.00%
170 Sanitary Paper Products	0.000	0	0.000	0	N/A	0.00%
171 Envelopes	0.000	0	0.000	0	N/A	0.00%
172 Stationery Products	0.000	0	0.000	0	N/A	0.00%
173 Converted Paper Products, N.E.C	0.000	0	0.000	0	N/A	0.00%
174 Newspapers	284.833	21,910	325.000	20,313	-7.29	51.91%
175 Periodicals	0.000	0	0.000	0	N/A	0.00%
176 Book Publishing	0.000	0	0.000	0	N/A	0.00%
177 Book Printing	0.000	0	0.000	0	N/A	0.00%
178 Miscellaneous Publishing	0.000	0	0.000	0	N/A	0.00%
179 Commercial Printing	104.611	20,922	124.000	17,714	-15.33	43.41%
180 Manifold Business Forms	0.000	0	0.000	0	N/A	0.00%
181 Greeting Card Publishing	0.000	0	0.000	0	N/A	0.00%
182 Blankbooks and Looseleaf Binder	0.000	0	0.000	0	N/A	0.00%
183 Bookbinding & Related	0.000	0	0.000	0	N/A	0.00%
184 Typesetting	0.000	0	0.000	0	N/A	0.00%
185 Plate Making	0.000	0	0.000	0	N/A	0.00%
186 Alkalies & Chlorine	0.000	0	0.000	0	N/A	0.00%
187 Industrial Gases	0.000	0	0.000	0	N/A	0.00%
188 Inorganic Pigments	0.000	0	0.000	0	N/A	0.00%

Table 2. Continued.

	Sector	1998 Real Employee Compensation (\$1,000)	1998 Real Employee Compensation per Job (\$)	2000 Real Employee Compensation (\$1,000)	2000 Real Employee Compensation per Job (\$)	Percent Change from 1998 to 2000 (%)	2000 National Comparison (%)
189	Inorganic Chemicals Nec.	0.000	0	0.000	0	N/A	0.00%
190	Cyclic Crudes, Interm. & Indus. Organic Chem	0.000	0	0.000	0	N/A	0.00%
191	Plastics Materials and Resins	0.000	0	0.000	0	N/A	0.00%
192	Synthetic Rubber	0.000	0	0.000	0	N/A	0.00%
193	Cellulosic Man-made Fibers	0.000	0	0.000	0	N/A	0.00%
194	Organic Fibers, Noncellulosic	0.000	0	0.000	0	N/A	0.00%
195	Drugs	0.000	0	0.000	0	N/A	0.00%
196	Soap and Other Detergents	0.000	0	0.000	0	N/A	0.00%
197	Polishes and Sanitation Goods	0.000	0	0.000	0	N/A	0.00%
198	Surface Active Agents	0.000	0	0.000	0	N/A	0.00%
199	Toilet Preparations	0.000	0	173.000	17,300	INF	30.46%
200	Paints and Allied Products	0.000	0	0.000	0	N/A	0.00%
201	Gum and Wood Chemicals	0.000	0	0.000	0	N/A	0.00%
202	Nitrogenous and Phosphatic Fertilizers	0.000	0	0.000	0	N/A	0.00%
203	Fertilizers, Mixing Only	0.000	0	0.000	0	N/A	0.00%
204	Agricultural Chemicals, N.E.C	0.000	0	0.000	0	N/A	0.00%
205	Adhesives and Sealants	0.000	0	0.000	0	N/A	0.00%
206	Explosives	0.000	0	0.000	0	N/A	0.00%
207	Printing Ink	0.000	0	0.000	0	N/A	0.00%
208	Carbon Black	0.000	0	0.000	0	N/A	0.00%
209	Chemical Preparations, N.E.C	0.000	0	0.000	0	N/A	0.00%
210	Petroleum Refining	0.000	0	0.000	0	N/A	0.00%
211	Paving Mixtures and Blocks	0.000	0	0.000	0	N/A	0.00%
212	Asphalt Felts and Coatings	0.000	0	0.000	0	N/A	0.00%
213	Lubricating Oils and Greases	0.000	0	0.000	0	N/A	0.00%
214	Petroleum and Coal Products, N.E.C.	0.000	0	0.000	0	N/A	0.00%
215	Tires and Inner Tubes	0.000	0	0.000	0	N/A	0.00%
216	Rubber and Plastics Footwear	0.000	0	0.000	0	N/A	0.00%
217	Rubber and Plastics Hose and Belting	0.000	0	0.000	0	N/A	0.00%
218	Gaskets, Packing and Sealing Devices	0.000	0	0.000	0	N/A	0.00%
219	Fabricated Rubber Products, N.E.C.	0.000	0	0.000	0	N/A	0.00%
220	Miscellaneous Plastics Products	0.000	0	0.000	0	N/A	0.00%

Table 2. Continued.

Sector	1998 Real Employee Compensation (\$1,000)	1998 Real Employee Compensation per Job (\$)	2000 Real Employee Compensation (\$1,000)	2000 Real Employee Compensation per Job (\$)	Percent Change from 1998 to 2000 (%)	2000 National Comparison (%)
221 Leather Tanning and Finishing	0.000	0	0.000	0	N/A	0.00%
222 Footwear Cut Stock	0.000	0	0.000	0	N/A	0.00%
223 House Slippers	0.000	0	0.000	0	N/A	0.00%
224 Shoes, Except Rubber	0.000	0	0.000	0	N/A	0.00%
225 Leather Gloves and Mittens	0.000	0	0.000	0	N/A	0.00%
226 Luggage	0.000	0	0.000	0	N/A	0.00%
227 Women's Handbags and Purses	0.000	0	0.000	0	N/A	0.00%
228 Personal Leather Goods	0.000	0	0.000	0	N/A	0.00%
229 Leather Goods, N.E.C	0.000	0	0.000	0	N/A	0.00%
230 Glass and Glass Products, Exc Containers	0.000	0	0.000	0	N/A	0.00%
231 Glass Containers	0.000	0	0.000	0	N/A	0.00%
232 Cement, Hydraulic	0.000	0	0.000	0	N/A	0.00%
233 Brick and Structural Clay Tile	0.000	0	0.000	0	N/A	0.00%
234 Ceramic Wall and Floor Tile	0.000	0	0.000	0	N/A	0.00%
235 Clay Refractories	0.000	0	0.000	0	N/A	0.00%
236 Structural Clay Products, N.E.C	0.000	0	0.000	0	N/A	0.00%
237 Vitreous Plumbing Fixtures	0.000	0	0.000	0	N/A	0.00%
238 Vitreous China Food Utensils	0.000	0	0.000	0	N/A	0.00%
239 Fine Earthenware Food Utensils	0.000	0	0.000	0	N/A	0.00%
240 Porcelain Electrical Supplies	0.000	0	0.000	0	N/A	0.00%
241 Pottery Products, N.E.C	0.000	0	0.000	0	N/A	0.00%
242 Concrete Block and Brick	0.000	0	0.000	0	N/A	0.00%
243 Concrete Products, N.E.C	0.000	0	0.000	0	N/A	0.00%
244 Ready-mixed Concrete	0.000	0	123.000	20,500	INF	46.36%
245 Lime	0.000	0	0.000	0	N/A	0.00%
246 Gypsum Products	0.000	0	0.000	0	N/A	0.00%
247 Cut Stone and Stone Products	0.000	0	0.000	0	N/A	0.00%
248 Abrasive Products	0.000	0	0.000	0	N/A	0.00%
249 Asbestos Products	0.000	0	0.000	0	N/A	0.00%
250 Minerals, Ground Or Treated	0.000	0	0.000	0	N/A	0.00%
251 Mineral Wool	0.000	0	0.000	0	N/A	0.00%
252 Nonclay Refractories	0.000	0	0.000	0	N/A	0.00%

Table 2. Continued.

Sector	1998 Real Employee Compensation (\$1,000)	1998 Real Employee Compensation per Job (\$)	2000 Real Employee Compensation (\$1,000)	2000 Real Employee Compensation per Job (\$)	Percent Change from 1998 to 2000 (%)	2000 National Comparison (%)
253 Nonmetallic Mineral Products, N.E.C.	0.000	0	0.000	0	N/A	0.00%
254 Blast Furnaces and Steel Mills	0.000	0	0.000	0	N/A	0.00%
255 Electrometallurgical Products	0.000	0	0.000	0	N/A	0.00%
256 Steel Wire and Related Products	0.000	0	0.000	0	N/A	0.00%
257 Cold Finishing Of Steel Shapes	0.000	0	0.000	0	N/A	0.00%
258 Steel Pipe and Tubes	0.000	0	0.000	0	N/A	0.00%
259 Iron and Steel Foundries	0.000	0	0.000	0	N/A	0.00%
260 Primary Copper	0.000	0	0.000	0	N/A	0.00%
261 Primary Aluminum	0.000	0	0.000	0	N/A	0.00%
262 Primary Nonferrous Metals, N.E.C.	0.000	0	0.000	0	N/A	0.00%
263 Secondary Nonferrous Metals	0.000	0	0.000	0	N/A	0.00%
264 Copper Rolling and Drawing	0.000	0	0.000	0	N/A	0.00%
265 Aluminum Rolling and Drawing	0.000	0	0.000	0	N/A	0.00%
266 Nonferrous Rolling and Drawing, N.E.C.	0.000	0	0.000	0	N/A	0.00%
267 Nonferrous Wire Drawing and Insulating	0.000	0	0.000	0	N/A	0.00%
268 Aluminum Foundries	0.000	0	0.000	0	N/A	0.00%
269 Brass, Bronze, and Copper Foundries	0.000	0	23.000	23,000	INF	57.22%
270 Nonferrous Castings, N.E.C.	0.000	0	0.000	0	N/A	0.00%
271 Metal Heat Treating	0.000	0	0.000	0	N/A	0.00%
272 Primary Metal Products, N.E.C.	0.000	0	0.000	0	N/A	0.00%
273 Metal Cans	0.000	0	0.000	0	N/A	0.00%
274 Metal Barrels, Drums and Pails	0.000	0	0.000	0	N/A	0.00%
275 Cutlery	0.000	0	0.000	0	N/A	0.00%
276 Hand and Edge Tools, N.E.C.	0.000	0	0.000	0	N/A	0.00%
277 Hand Saws and Saw Blades	0.000	0	0.000	0	N/A	0.00%
278 Hardware, N.E.C.	0.000	0	0.000	0	N/A	0.00%
279 Metal Sanitary Ware	0.000	0	0.000	0	N/A	0.00%
280 Plumbing Fixture Fittings and Trim	0.000	0	0.000	0	N/A	0.00%
281 Heating Equipment, Except Electric	0.000	0	0.000	0	N/A	0.00%
282 Fabricated Structural Metal	0.000	0	0.000	0	N/A	0.00%
283 Metal Doors, Sash, and Trim	0.000	0	0.000	0	N/A	0.00%
284 Fabricated Plate Work (Boiler Shops)	0.000	0	0.000	0	N/A	0.00%

Table 2. Continued.

Sector	1998 Real Employee Compensation (\$1,000)	1998 Real Employee Compensation per Job (\$)	2000 Real Employee Compensation (\$1,000)	2000 Real Employee Compensation per Job (\$)	Percent Change from 1998 to 2000 (%)	2000 National Comparison (%)
285 Sheet Metal Work	0.000	0	0.000	0	N/A	0.00%
286 Architectural Metal Work	0.000	0	0.000	0	N/A	0.00%
287 Prefabricated Metal Buildings	0.000	0	0.000	0	N/A	0.00%
288 Miscellaneous Metal Work	0.000	0	0.000	0	N/A	0.00%
289 Screw Machine Products and Bolts, Etc.	0.000	0	0.000	0	N/A	0.00%
290 Iron and Steel Forgings	0.000	0	0.000	0	N/A	0.00%
291 Nonferrous Forgings	0.000	0	0.000	0	N/A	0.00%
292 Automotive Stampings	0.000	0	0.000	0	N/A	0.00%
293 Crowns and Closures	0.000	0	0.000	0	N/A	0.00%
294 Metal Stampings, N.E.C.	0.000	0	0.000	0	N/A	0.00%
295 Plating and Polishing	0.000	0	0.000	0	N/A	0.00%
296 Metal Coating and Allied Services	0.000	0	0.000	0	N/A	0.00%
297 Small Arms Ammunition	0.000	0	0.000	0	N/A	0.00%
298 Ammunition, Except For Small Arms, N.E.C.	0.000	0	0.000	0	N/A	0.00%
299 Small Arms	0.000	0	0.000	0	N/A	0.00%
300 Other Ordnance and Accessories	0.000	0	0.000	0	N/A	0.00%
301 Industrial and Fluid Valves	0.000	0	0.000	0	N/A	0.00%
302 Steel Springs, Except Wire	0.000	0	0.000	0	N/A	0.00%
303 Pipe, Valves, and Pipe Fittings	0.000	0	0.000	0	N/A	0.00%
304 Miscellaneous Fabricated Wire Products	0.000	0	0.000	0	N/A	0.00%
305 Metal Foil and Leaf	0.000	0	0.000	0	N/A	0.00%
306 Fabricated Metal Products, N.E.C.	0.000	0	0.000	0	N/A	0.00%
307 Steam Engines and Turbines	0.000	0	0.000	0	N/A	0.00%
308 Internal Combustion Engines, N.E.C.	0.000	0	0.000	0	N/A	0.00%
309 Farm Machinery and Equipment	0.000	0	0.000	0	N/A	0.00%
310 Lawn and Garden Equipment	0.000	0	0.000	0	N/A	0.00%
311 Construction Machinery and Equipment	0.000	0	0.000	0	N/A	0.00%
312 Mining Machinery, Except Oil Field	0.000	0	0.000	0	N/A	0.00%
313 Oil Field Machinery	0.000	0	0.000	0	N/A	0.00%
314 Elevators and Moving Stairways	0.000	0	0.000	0	N/A	0.00%
315 Conveyors and Conveying Equipment	0.000	0	0.000	0	N/A	0.00%
316 Hoists, Cranes, and Monorails	0.000	0	0.000	0	N/A	0.00%

Table 2. Continued.

Sector	1998 Real Employee Compensation (\$1,000)	1998 Real Employee Compensation per Job (\$)	2000 Real Employee Compensation (\$1,000)	2000 Real Employee Compensation per Job (\$)	Percent Change from 1998 to 2000 (%)	2000 National Comparison (%)
317 Industrial Trucks and Tractors	0.000	0	0.000	0	N/A	0.00%
318 Machine Tools, Metal Cutting Types	0.000	0	0.000	0	N/A	0.00%
319 Machine Tools, Metal Forming Types	0.000	0	0.000	0	N/A	0.00%
320 Industrial Patterns	0.000	0	0.000	0	N/A	0.00%
321 Special Dies and Tools and Accessories	0.000	0	0.000	0	N/A	0.00%
322 Power Driven Hand Tools	0.000	0	0.000	0	N/A	0.00%
323 Rolling Mill Machinery	0.000	0	0.000	0	N/A	0.00%
324 Welding Apparatus	0.000	0	0.000	0	N/A	0.00%
325 Metalworking Machinery, N.E.C.	0.000	0	0.000	0	N/A	0.00%
326 Textile Machinery	0.000	0	0.000	0	N/A	0.00%
327 Woodworking Machinery	0.000	0	0.000	0	N/A	0.00%
328 Paper Industries Machinery	0.000	0	0.000	0	N/A	0.00%
329 Printing Trades Machinery	0.000	0	0.000	0	N/A	0.00%
330 Food Products Machinery	0.000	0	0.000	0	N/A	0.00%
331 Special Industry Machinery N.E.C.	0.000	0	0.000	0	N/A	0.00%
332 Pumps and Compressors	0.000	0	0.000	0	N/A	0.00%
333 Ball and Roller Bearings	0.000	0	0.000	0	N/A	0.00%
334 Blowers and Fans	0.000	0	0.000	0	N/A	0.00%
335 Packaging Machinery	0.000	0	0.000	0	N/A	0.00%
336 Power Transmission Equipment	0.000	0	0.000	0	N/A	0.00%
337 Industrial Furnaces and Ovens	0.000	0	0.000	0	N/A	0.00%
338 General Industrial Machinery, N.E.C.	0.000	0	0.000	0	N/A	0.00%
339 Electronic Computers	0.000	0	0.000	0	N/A	0.00%
340 Computer Storage Devices	0.000	0	0.000	0	N/A	0.00%
341 Computer Terminals	0.000	0	0.000	0	N/A	0.00%
342 Computer Peripheral Equipment,	0.000	0	0.000	0	N/A	0.00%
343 Calculating and Accounting Machines	0.000	0	0.000	0	N/A	0.00%
344 Typewriters and Office Machines N.E.C.	0.000	0	10.000	0	N/A	0.00%
345 Automatic Merchandising Machine	0.000	0	0.000	0	N/A	0.00%
346 Commercial Laundry Equipment	0.000	0	0.000	0	N/A	0.00%
347 Refrigeration and Heating Equipment	0.000	0	0.000	0	N/A	0.00%
348 Measuring and Dispensing Pumps	0.000	0	0.000	0	N/A	0.00%

Table 2. Continued.

	Sector	1998 Real Employee Compensation (\$1,000)	1998 Real Employee Compensation per Job (\$)	2000 Real Employee Compensation (\$1,000)	2000 Real Employee Compensation per Job (\$)	Percent Change from 1998 to 2000 (%)	2000 National Comparison (%)
349	Service Industry Machines, N.E.C.	0.000	0	0.000	0	N/A	0.00%
350	Carburetors, Pistons, Rings, Valves	0.000	0	0.000	0	N/A	0.00%
351	Fluid Power Cylinders & Actuators	0.000	0	0.000	0	N/A	0.00%
352	Fluid Power Pumps & Motors	0.000	0	0.000	0	N/A	0.00%
353	Scales and Balances	0.000	0	0.000	0	N/A	0.00%
354	Industrial Machines N.E.C.	163.649	27,275	181.000	22,625	-17.05	53.20%
355	Transformers	0.000	0	0.000	0	N/A	0.00%
356	Switchgear and Switchboard Apparatus	0.000	0	0.000	0	N/A	0.00%
357	Motors and Generators	0.000	0	0.000	0	N/A	0.00%
358	Carbon and Graphite Products	0.000	0	0.000	0	N/A	0.00%
359	Relays & Industrial Controls	0.000	0	0.000	0	N/A	0.00%
360	Electrical Industrial Apparatus, N.E.C.	0.000	0	0.000	0	N/A	0.00%
361	Household Cooking Equipment	0.000	0	0.000	0	N/A	0.00%
362	Household Refrigerators and Freezers	0.000	0	0.000	0	N/A	0.00%
363	Household Laundry Equipment	0.000	0	0.000	0	N/A	0.00%
364	Electric Housewares and Fans	0.000	0	0.000	0	N/A	0.00%
365	Household Vacuum Cleaners	0.000	0	0.000	0	N/A	0.00%
366	Household Appliances, N.E.C.	0.000	0	0.000	0	N/A	0.00%
367	Electric Lamps	0.000	0	0.000	0	N/A	0.00%
368	Wiring Devices	0.000	0	0.000	0	N/A	0.00%
369	Lighting Fixtures and Equipment	0.000	0	0.000	0	N/A	0.00%
370	Radio and TV Receiving Sets	0.000	0	0.000	0	N/A	0.00%
371	Phonograph Records and Tape	0.000	0	0.000	0	N/A	0.00%
372	Telephone and Telegraph Apparatus	0.000	0	0.000	0	N/A	0.00%
373	Radio and TV Communication Equipment	0.000	0	0.000	0	N/A	0.00%
374	Communications Equipment N.E.C.	0.000	0	0.000	0	N/A	0.00%
375	Electron Tubes	0.000	0	0.000	0	N/A	0.00%
376	Printed Circuit Boards	0.000	0	0.000	0	N/A	0.00%
377	Semiconductors and Related Devices	0.000	0	0.000	0	N/A	0.00%
378	Electronic Components, N.E.C.	0.000	0	0.000	0	N/A	0.00%
379	Storage Batteries	0.000	0	0.000	0	N/A	0.00%
380	Primary Batteries, Dry and Wet	0.000	0	0.000	0	N/A	0.00%

Table 2. Continued.

Sector	1998 Real Employee Compensation (\$1,000)	1998 Real Employee Compensation per Job (\$)	2000 Real Employee Compensation (\$1,000)	2000 Real Employee Compensation per Job (\$)	Percent Change from 1998 to 2000 (%)	2000 National Comparison (%)
381 Engine Electrical Equipment	0.000	0	0.000	0	N/A	0.00%
382 Magnetic & Optical Recording Media	0.000	0	0.000	0	N/A	0.00%
383 Electrical Equipment, N.E.C.	0.000	0	0.000	0	N/A	0.00%
384 Motor Vehicles	0.000	0	0.000	0	N/A	0.00%
385 Truck and Bus Bodies	0.000	0	0.000	0	N/A	0.00%
386 Motor Vehicle Parts and Accessories	0.000	0	0.000	0	N/A	0.00%
387 Truck Trailers	0.000	0	0.000	0	N/A	0.00%
388 Motor Homes	0.000	0	0.000	0	N/A	0.00%
389 Aircraft	0.000	0	0.000	0	N/A	0.00%
390 Aircraft and Missile Engines and Parts	0.000	0	0.000	0	N/A	0.00%
391 Aircraft and Missile Equipment,	0.000	0	0.000	0	N/A	0.00%
392 Ship Building and Repairing	0.000	0	0.000	0	N/A	0.00%
393 Boat Building and Repairing	0.000	0	0.000	0	N/A	0.00%
394 Railroad Equipment	47.645	15,882	0.000	0	-100.00	0.00%
395 Motorcycles, Bicycles, and Parts	0.000	0	0.000	0	N/A	0.00%
396 Complete Guided Missiles	0.000	0	0.000	0	N/A	0.00%
397 Travel Trailers and Camper	0.000	0	0.000	0	N/A	0.00%
398 Tanks and Tank Components	0.000	0	0.000	0	N/A	0.00%
399 Transportation Equipment, N.E.C	0.000	0	0.000	0	N/A	0.00%
400 Search & Navigation Equipment	0.000	0	0.000	0	N/A	0.00%
401 Laboratory Apparatus & Furniture	0.000	0	0.000	0	N/A	0.00%
402 Automatic Temperature Controls	0.000	0	0.000	0	N/A	0.00%
403 Mechanical Measuring Devices	0.000	0	0.000	0	N/A	0.00%
404 Instruments To Measure Electricity	0.000	0	0.000	0	N/A	0.00%
405 Analytical Instruments	0.000	0	0.000	0	N/A	0.00%
406 Optical Instruments & Lenses	0.000	0	0.000	0	N/A	0.00%
407 Surgical and Medical Instrument	0.000	0	0.000	0	N/A	0.00%
408 Surgical Appliances and Supplies	0.000	0	0.000	0	N/A	0.00%
409 Dental Equipment and Supplies	0.000	0	0.000	0	N/A	0.00%
410 X-Ray Apparatus	0.000	0	0.000	0	N/A	0.00%
411 Electromedical Apparatus	0.000	0	1.000	0	N/A	0.00%
412 Ophthalmic Goods	0.000	0	0.000	0	N/A	0.00%

Table 2. Continued.

Sector	1998 Real Employee Compensation (\$1,000)	1998 Real Employee Compensation per Job (\$)	2000 Real Employee Compensation (\$1,000)	2000 Real Employee Compensation per Job (\$)	Percent Change from 1998 to 2000 (%)	2000 National Comparison (%)
413 Photographic Equipment and Supplies	0.000	0	0.000	0	N/A	0.00%
414 Watches, Clocks, and Parts	0.000	0	0.000	0	N/A	0.00%
415 Jewelry, Precious Metal	0.000	0	0.000	0	N/A	0.00%
416 Silverware and Plated Ware	0.000	0	0.000	0	N/A	0.00%
417 Jewelers Materials and Lapidary Work	0.000	0	0.000	0	N/A	0.00%
418 Musical Instruments	0.000	0	0.000	0	N/A	0.00%
419 Dolls	0.000	0	0.000	0	N/A	0.00%
420 Games, Toys, and Children's Vehicles	0.000	0	0.000	0	N/A	0.00%
421 Sporting and Athletic Goods, N.E.C.	0.000	0	0.000	0	N/A	0.00%
422 Pens and Mechanical Pencils	0.000	0	0.000	0	N/A	0.00%
423 Lead Pencils and Art Goods	0.000	0	0.000	0	N/A	0.00%
424 Marking Devices	0.000	0	0.000	0	N/A	0.00%
425 Carbon Paper and Inked Ribbons	0.000	0	0.000	0	N/A	0.00%
426 Costume Jewelry	0.000	0	0.000	0	N/A	0.00%
427 Fasteners, Buttons, Needles, Pins	0.000	0	0.000	0	N/A	0.00%
428 Brooms and Brushes	0.000	0	0.000	0	N/A	0.00%
429 Signs and Advertising Displays	0.000	0	0.000	0	N/A	0.00%
430 Burial Caskets and Vaults	0.000	0	0.000	0	N/A	0.00%
431 Hard Surface Floor Coverings	0.000	0	0.000	0	N/A	0.00%
432 Manufacturing Industries, N.E.C.	168.828	33,766	0.000	0	-100.00	0.00%
433 Railroads and Related Services	555.165	69,396	371.000	92,750	33.65	117.55%
434 Local, Interurban Passenger Transit	40.394	40,394	204.000	51,000	26.25	260.10%
435 Motor Freight Transport and Warehousing	778.888	22,254	625.000	18,382	-17.40	64.21%
436 Water Transportation	0.000	0	0.000	0	N/A	0.00%
437 Air Transportation	699.135	43,696	728.000	40,444	-7.44	83.50%
438 Pipe Lines, Except Natural Gas	0.000	0	0.000	0	N/A	0.00%
439 Arrangement Of Passenger Transportation	48.681	24,340	195.000	27,857	14.45	93.12%
440 Transportation Services	48.681	24,340	189.000	27,000	10.93	72.31%
441 Communications, Except Radio and TV	195.758	48,939	147.000	49,000	0.12	73.79%
442 Radio and TV Broadcasting	281.726	56,345	219.000	73,000	29.56	126.87%
443 Electric Services	2,212.374	53,960	1,486.000	57,154	5.92	74.49%
444 Gas Production and Distribution	0.000	0	0.000	0	N/A	0.00%

Table 2. Continued.

Sector	1998 Real Employee Compensation (\$1,000)	1998 Real Employee Compensation per Job (\$)	2000 Real Employee Compensation (\$1,000)	2000 Real Employee Compensation per Job (\$)	Percent Change from 1998 to 2000 (%)	2000 National Comparison (%)
445 Water Supply and Sewerage Systems	0.000	0	0.000	0	N/A	0.00%
446 Sanitary Services and Steam Supply	172.971	34,594	104.000	34,667	0.21	68.76%
447 Wholesale Trade	3,024.407	34,763	1,978.000	30,906	-11.10	60.56%
448 Building Materials & Gardening	645.276	22,251	602.000	23,154	4.06	87.54%
449 General Merchandise Stores	638.026	16,790	685.000	14,891	-11.31	82.34%
450 Food Stores	1,970.008	17,434	2,159.000	20,760	19.08	97.60%
451 Automotive Dealers & Service Stations	3,136.269	17,327	3,668.000	19,005	9.68	59.18%
452 Apparel & Accessory Stores	119.112	9,926	198.000	15,231	53.44	86.34%
453 Furniture & Home Furnishings Stores	341.799	17,090	312.000	15,600	-8.72	62.91%
454 Eating & Drinking	2,222.732	11,950	1,738.000	10,224	-14.45	74.11%
455 Miscellaneous Retail	3,743.222	16,637	2,483.000	15,233	-8.44	95.05%
456 Banking	1,549.491	26,715	910.000	29,355	9.88	62.18%
457 Credit Agencies	1,544.312	15,140	1,496.000	14,113	-6.78	52.15%
458 Security and Commodity Brokers	39.359	39,359	43.000	43,000	9.25	30.36%
459 Insurance Carriers	395.659	79,132	313.000	156,500	97.77	262.15%
460 Insurance Agents and Brokers	176.078	13,544	144.000	16,000	18.13	54.56%
461 Owner-occupied Dwellings	0.000	0	0.000	0	N/A	0.00%
462 Real Estate	358.372	7,314	250.000	6,944	-5.05	50.99%
463 Hotels and Lodging Places	4,893.946	16,703	5,522.000	17,256	3.31	73.01%
464 Laundry, Cleaning and Shoe Repair	194.722	9,736	203.000	16,917	73.75	161.93%
465 Portrait and Photographic Studios	0.000	0	0.000	0	N/A	0.00%
466 Beauty and Barber Shops	0.000	0	0.000	0	N/A	0.00%
467 Funeral Service and Crematories	121.183	15,148	133.000	22,167	46.33	142.77%
468 Miscellaneous Personal Services	205.080	12,817	211.000	17,583	37.18	196.02%
469 Advertising	0.000	0	0.000	0	N/A	0.00%
470 Other Business Services	0.000	0	0.000	0	N/A	0.00%
471 Photofinishing, Commercial Photography	0.000	0	0.000	0	N/A	0.00%
472 Services To Buildings	459.876	17,032	0.000	0	-100.00	0.00%
473 Equipment Rental and Leasing	0.000	0	0.000	0	N/A	0.00%
474 Personnel Supply Services	773.710	19,839	1,904.000	20,923	5.47	106.85%
475 Computer and Data Processing Services	0.000	0	0.000	0	N/A	0.00%
476 Detective and Protective Services	733.315	19,298	0.000	0	-100.00	0.00%

Table 2. Continued.

Sector	1998 Real Employee Compensation (\$1,000)	1998 Real Employee Compensation per Job (\$)	2000 Real Employee Compensation (\$1,000)	2000 Real Employee Compensation per Job (\$)	Percent Change from 1998 to 2000 (%)	2000 National Comparison (%)
477 Automobile Rental and Leasing	0.000	0	0.000	0	N/A	0.00%
478 Automobile Parking and Car Wash	0.000	0	61.000	20,333	INF	151.66%
479 Automobile Repair and Services	1,272.944	25,459	920.000	23,590	-7.34	100.55%
480 Electrical Repair Service	51.788	10,358	61.000	12,200	17.79	63.18%
481 Watch, Clock, Jewelry and Furniture Repair	0.000	0	0.000	0	N/A	0.00%
482 Miscellaneous Repair Shops	104.611	14,944	102.000	14,571	-2.50	79.90%
483 Motion Pictures	18.644	6,215	91.000	6,067	-2.38	17.68%
484 Theatrical Producers, Bands Etc.	0.000	0	0.000	0	N/A	0.00%
485 Bowling Alleys and Pool Halls	33.144	11,048	29.000	9,667	-12.50	125.80%
486 Commercial Sports Except Racing	0.000	0	0.000	0	N/A	0.00%
487 Racing and Track Operation	0.000	0	0.000	0	N/A	0.00%
488 Amusement and Recreation Services, N.E.C.	0.000	0	82.000	13,667	INF	121.83%
489 Membership Sports and Recreation Clubs	0.000	0	0.000	0	N/A	0.00%
490 Doctors and Dentists	4,150.274	37,390	3,847.000	32,058	-14.26	62.60%
491 Nursing and Protective Care	1,841.574	20,017	1,826.000	18,444	-7.86	82.00%
492 Hospitals	0.000	0	0.000	0	N/A	0.00%
493 Other Medical and Health Services	762.316	18,150	710.000	21,515	18.54	95.09%
494 Legal Services	427.767	42,777	372.000	41,333	-3.37	83.38%
495 Elementary and Secondary Schools	0.000	0	11.000	11,000	INF	60.27%
496 Colleges, Universities, Schools	0.000	0	7.000	7,000	INF	25.72%
497 Other Educational Services	92.182	13,169	19.000	19,000	44.28	90.78%
498 Job Trainings & Related Services	0.000	0	0.000	0	N/A	0.00%
499 Child Day Care Services	190.579	10,030	257.000	10,708	6.76	65.98%
500 Social Services, N.E.C.	277.583	13,879	419.000	16,115	16.11	64.66%
501 Residential Care	0.000	0	0.000	0	N/A	0.00%
502 Other Nonprofit Organizations	84.932	28,311	66.000	9,429	-66.70	64.06%
503 Business Associations	16.572	16,572	10.000	10,000	-39.66	24.25%
504 Labor and Civic Organizations	1,438.665	29,972	787.000	18,738	-37.48	123.22%
505 Religious Organizations	0.000	0	0.000	0	N/A	0.00%
506 Engineering, Architectural Services	309.691	22,121	594.000	45,692	106.56	112.82%
507 Accounting, Auditing and Bookkeeping	833.783	7,444	390.000	6,290	-15.50	21.85%
508 Management and Consulting Services	481.626	25,349	331.000	23,643	-6.73	55.41%

Table 2. Continued.

Sector	1998 Real Employee Compensation (\$1,000)	1998 Real Employee Compensation per Job (\$)	2000 Real Employee Compensation (\$1,000)	2000 Real Employee Compensation per Job (\$)	Percent Change from 1998 to 2000 (%)	2000 National Comparison (%)
509 Research, Development & Testing Services	0.000	0	53.000	8,833	INF	22.21%
510 Local Government Passenger Transit	0.000	0	0.000	0	N/A	0.00%
511 State and Local Electric Utilities	0.000	0	0.000	0	N/A	0.00%
512 Other State and Local Govt Enterprises	1,142.439	28,561	1,214.000	29,610	3.67	63.01%
513 U.S. Postal Service	1,087.544	43,502	1,152.000	46,080	5.93	72.81%
514 Federal Electric Utilities	0.000	0	0.000	0	N/A	0.00%
515 Other Federal Government Enterprises	0.000	0	0.000	0	N/A	0.00%
516 Noncomparable Imports	0.000	0	0.000	0	N/A	0.00%
517 Scrap	0.000	0	0.000	0	N/A	0.00%
518 Used and Secondhand Goods	0.000	0	0.000	0	N/A	0.00%
519 Federal Government - Military	305.548	15,277	330.000	16,500	8.00	37.47%
520 Federal Government - Non-Military	8,394.801	38,158	10,670.000	43,024	12.75	87.56%
521 Commodity Credit Corporation	0.000	0	0.000	0	N/A	0.00%
522 State & Local Government - Education	20,770.011	44,286	24,402.000	48,610	9.76	126.49%
523 State & Local Government - Non-Education	18,390.880	40,067	21,492.000	44,589	11.29	108.64%
524 Rest Of The World Industry	0.000	0	0.000	0	N/A	0.00%
525 Domestic Services	168.828	7,674	173.000	8,238	7.35	72.87%
526 Dummy	0.000	0	0.000	0	N/A	0.00%
527 Dummy	0.000	0	0.000	0	N/A	0.00%
528 Inventory Valuation Adjustment	0.000	0	0.000	0	N/A	0.00%
Total	129,727.380	29,244	129,185.000	30,634	4.75	

Table 3. Sectoral Location Quotient Values and Percentage Change in Location Quotient Values for the City of Ely, 1998 to 2000.

	Sector	Location Quotient 1998	Location Quotient 2000	Percentage Change in Location Quotient (%)
1	Dairy Farm Products	0.97	0.95	-2.81
2	Poultry and Eggs	0.00	0.00	0.00
3	Ranch Fed Cattle	0.85	0.79	-6.35
4	Range Fed Cattle	9.08	10.64	17.10
5	Cattle Feedlots	0.80	1.53	90.86
6	Sheep, Lambs and Goats	13.68	19.94	45.75
7	Hogs, Pigs and Swine	0.00	0.00	0.00
8	Other Meat Animal Products	51.71	56.84	9.91
9	Miscellaneous Livestock	0.85	0.92	7.32
10	Cotton	0.00	0.00	0.00
11	Food Grains	0.00	0.00	0.00
12	Feed Grains	0.14	0.15	6.16
13	Hay and Pasture	4.82	5.00	3.74
14	Grass Seeds	0.00	0.00	0.00
15	Tobacco	0.00	0.00	0.00
16	Fruits	0.00	0.00	0.00
17	Tree Nuts	0.00	0.00	0.00
18	Vegetables	0.00	0.00	0.00
19	Sugar Crops	0.00	0.00	0.00
20	Miscellaneous Crops	0.00	0.00	0.00
21	Oil Bearing Crops	0.00	0.00	0.00
22	Forest Products	0.00	0.00	0.00
23	Greenhouse and Nursery Products	0.00	0.00	0.00
24	Forestry Products	0.93	0.00	-100.00
25	Commercial Fishing	0.50	0.36	-28.24
26	Agricultural, Forestry, Fishery Services	1.33	1.14	-14.30
27	Landscape and Horticultural Services	0.00	0.00	0.00
28	Iron Ores	0.00	0.00	0.00
29	Copper Ores	160.78	866.94	439.21
30	Lead and Zinc Ores	0.00	0.00	0.00
31	Gold Ores	467.60	202.37	-56.72
32	Silver Ores	0.00	0.00	0.00
33	Ferroalloy Ores, Except Vanadium	0.00	0.00	0.00
34	Metal Mining Services	1657.26	384.05	-76.83
35	Uranium-radium-vanadium Ores	0.00	0.00	0.00
36	Metal Ores, Not Elsewhere Classified	0.00	0.00	0.00
37	Coal Mining	0.00	0.00	0.00
38	Natural Gas & Crude Petroleum	0.00	0.00	0.00
39	Natural Gas Liquids	0.00	0.00	0.00
40	Dimension Stone	0.00	1.45	0.00
41	Sand and Gravel	0.94	0.99	5.42
42	Clay, Ceramic, Refractory Minerals, N.E.C.	0.00	0.00	0.00
43	Potash, Soda, and Borate Minerals	0.00	0.00	0.00
44	Phosphate Rock	0.00	0.00	0.00
45	Chemical, Fertilizer Mineral Mining, N.E.C.	0.00	0.00	0.00
46	Nonmetallic Minerals (Except Fuels) Service	0.00	0.00	0.00
47	Misc. Nonmetallic Minerals, N.E.C.	0.00	0.00	0.00
48	New Residential Structures	1.63	1.57	-3.79

Table 3. Continued.

	Sector	Location Quotient 1998	Location Quotient 2000	Percentage Change in Location Quotient (%)
49	New Industrial and Commercial Buildings	0.94	0.91	-3.88
50	New Utility Structures	0.49	0.49	0.93
51	New Highways and Streets	0.61	0.53	-13.49
52	New Farm Structures	0.00	0.00	0.00
53	New Mineral Extraction Facilities	0.61	0.59	-2.74
54	New Government Facilities	0.83	0.80	-3.28
55	Maintenance and Repair, Residential	0.65	0.62	-4.68
56	Maintenance and Repair Other Facilities	0.35	0.34	-2.44
57	Maintenance and Repair Oil and Gas Wells	17.96	7.25	-59.66
58	Meat Packing Plants	0.00	0.00	0.00
59	Sausages and Other Prepared Meats	0.00	0.00	0.00
60	Poultry Processing	0.00	0.00	0.00
61	Creamery Butter	0.00	0.00	0.00
62	Cheese, Natural and Processed	0.00	0.00	0.00
63	Condensed and Evaporated Milk	0.00	0.00	0.00
64	Ice Cream and Frozen Desserts	0.00	0.00	0.00
65	Fluid Milk	0.00	0.00	0.00
66	Canned Specialties	0.00	0.00	0.00
67	Canned Fruits and Vegetables	0.00	0.00	0.00
68	Dehydrated Food Products	0.00	0.00	0.00
69	Pickles, Sauces, and Salad Dressings	0.00	0.00	0.00
70	Frozen Fruits, Juices and Vegetables	0.00	0.00	0.00
71	Frozen Specialties	0.00	0.00	0.00
72	Flour and Other Grain Mill Products	0.00	0.00	0.00
73	Cereal Preparations	0.00	0.00	0.00
74	Rice Milling	0.00	0.00	0.00
75	Blended and Prepared Flour	0.00	0.00	0.00
76	Wet Corn Milling	0.00	0.00	0.00
77	Dog, Cat, and Other Pet Food	0.00	0.00	0.00
78	Prepared Feeds, N.E.C	0.00	0.00	0.00
79	Bread, Cake, and Related Products	0.00	0.00	0.00
80	Cookies and Crackers	0.00	0.00	0.00
81	Sugar	0.00	0.00	0.00
82	Confectionery Products	0.00	0.00	0.00
83	Chocolate and Cocoa Products	0.00	0.00	0.00
84	Chewing Gum	0.00	0.00	0.00
85	Salted and Roasted Nuts & Seeds	0.00	0.00	0.00
86	Cottonseed Oil Mills	0.00	0.00	0.00
87	Soybean Oil Mills	0.00	0.00	0.00
88	Vegetable Oil Mills, N.E.C	0.00	0.00	0.00
89	Animal and Marine Fats and Oils	0.00	0.00	0.00
90	Shortening and Cooking Oils	0.00	0.00	0.00
91	Malt Beverages	0.00	0.00	0.00
92	Malt	0.00	0.00	0.00
93	Wines, Brandy, and Brandy Spirits	0.00	0.00	0.00
94	Distilled Liquor, Except Brandy	0.00	0.00	0.00
95	Bottled and Canned Soft Drinks & Water	0.00	0.00	0.00
96	Flavoring Extracts and Syrups, N.E.C.	0.00	0.00	0.00
97	Canned and Cured Sea Foods	0.00	0.00	0.00
98	Prepared Fresh Or Frozen Fish Or Seafood	0.00	0.00	0.00

Table 3. Continued.

	Sector	Location Quotient 1998	Location Quotient 2000	Percentage Change in Location Quotient (%)
99	Roasted Coffee	0.00	0.00	0.00
100	Potato Chips & Similar Snacks	0.00	0.00	0.00
101	Manufactured Ice	0.00	0.00	0.00
102	Macaroni and Spaghetti	0.00	0.00	0.00
103	Food Preparations, N.E.C	0.00	0.00	0.00
104	Cigarettes	0.00	0.00	0.00
105	Cigars	0.00	0.00	0.00
106	Chewing and Smoking Tobacco	0.00	0.00	0.00
107	Tobacco Stemming and Redrying	0.00	0.00	0.00
108	Broadwoven Fabric Mills and Finishing	0.00	0.00	0.00
109	Narrow Fabric Mills	0.00	0.00	0.00
110	Women's Hosiery, Except Socks	0.00	0.00	0.00
111	Hosiery, N.E.C	0.00	0.00	0.00
112	Knit Outerwear Mills	0.00	0.00	0.00
113	Knit Underwear Mills	0.00	0.00	0.00
114	Knit Fabric Mills	0.00	0.00	0.00
115	Knitting Mills, N.E.C.	0.00	0.00	0.00
116	Yarn Mills and Finishing Of Textiles, N.E.C.	0.00	0.00	0.00
117	Carpets and Rugs	0.00	0.00	0.00
118	Thread Mills	0.00	0.00	0.00
119	Coated Fabrics, Not Rubberized	0.00	0.00	0.00
120	Tire Cord and Fabric	0.00	0.00	0.00
121	Nonwoven Fabrics	0.00	0.00	0.00
122	Cordage and Twine	0.00	0.00	0.00
123	Textile Goods, N.E.C	0.00	0.00	0.00
124	Apparel Made From Purchased Materials	0.00	0.00	0.00
125	Curtains and Draperies	0.00	0.00	0.00
126	Housefurnishings, N.E.C	0.00	0.00	0.00
127	Textile Bags	0.00	0.00	0.00
128	Canvas Products	0.00	0.00	0.00
129	Pleating and Stitching	0.00	0.00	0.00
130	Automotive and Apparel Trimmings	2.81	0.00	-100.00
131	Schiffi Machine Embroideries	0.00	0.00	0.00
132	Fabricated Textile Products, N.E.C.	0.00	0.00	0.00
133	Logging Camps and Logging Contractors	0.79	0.00	-100.00
134	Sawmills and Planing Mills, General	0.00	0.00	0.00
135	Hardwood Dimension and Flooring Mills	0.00	0.00	0.00
136	Special Product Sawmills, N.E.C	0.00	0.00	0.00
137	Millwork	0.00	0.00	0.00
138	Wood Kitchen Cabinets	0.00	0.00	0.00
139	Veneer and Plywood	0.00	0.00	0.00
140	Structural Wood Members, N.E.C	0.00	0.00	0.00
141	Wood Containers	0.00	0.00	0.00
142	Wood Pallets and Skids	0.00	0.00	0.00
143	Mobile Homes	0.00	0.00	0.00
144	Prefabricated Wood Buildings	0.00	0.00	0.00
145	Wood Preserving	0.00	0.00	0.00
146	Reconstituted Wood Products	0.00	0.00	0.00
147	Wood Products, N.E.C	0.00	0.00	0.00
148	Wood Household Furniture	0.00	0.00	0.00

Table 3. Continued.

	Sector	Location Quotient 1998	Location Quotient 2000	Percentage Change in Location Quotient (%)
149	Upholstered Household Furniture	0.00	0.00	0.00
150	Metal Household Furniture	0.00	0.00	0.00
151	Mattresses and Bedsprings	0.00	0.00	0.00
152	Wood TV and Radio Cabinets	0.00	0.00	0.00
153	Household Furniture, N.E.C	0.00	0.00	0.00
154	Wood Office Furniture	0.00	0.00	0.00
155	Metal Office Furniture	0.00	0.00	0.00
156	Public Building Furniture	0.00	0.00	0.00
157	Wood Partitions and Fixtures	0.00	0.00	0.00
158	Metal Partitions and Fixtures	0.00	0.00	0.00
159	Blinds, Shades, and Drapery Hardware	0.00	0.00	0.00
160	Furniture and Fixtures, N.E.C	0.00	0.00	0.00
161	Pulp Mills	0.00	0.00	0.00
162	Paper Mills, Except Building Paper	0.00	0.00	0.00
163	Paperboard Mills	0.00	0.00	0.00
164	Paperboard Containers and Boxes	0.00	0.00	0.00
165	Paper Coated & Laminated Packaging	0.00	0.00	0.00
166	Paper Coated & Laminated N.E.C.	0.00	0.00	0.00
167	Bags, Plastic	0.00	0.00	0.00
168	Bags, Paper	0.00	0.00	0.00
169	Die-cut Paper and Board	0.00	0.00	0.00
170	Sanitary Paper Products	0.00	0.00	0.00
171	Envelopes	0.00	0.00	0.00
172	Stationery Products	0.00	0.00	0.00
173	Converted Paper Products, N.E.C	0.00	0.00	0.00
174	Newspapers	0.97	1.35	38.90
175	Periodicals	0.00	0.00	0.00
176	Book Publishing	0.00	0.00	0.00
177	Book Printing	0.00	0.00	0.00
178	Miscellaneous Publishing	0.00	0.00	0.00
179	Commercial Printing	0.28	0.47	64.05
180	Manifold Business Forms	0.00	0.00	0.00
181	Greeting Card Publishing	0.00	0.00	0.00
182	Blankbooks and Looseleaf Binder	0.00	0.00	0.00
183	Bookbinding & Related	0.00	0.00	0.00
184	Typesetting	0.00	0.00	0.00
185	Plate Making	0.00	0.00	0.00
186	Alkalies & Chlorine	0.00	0.00	0.00
187	Industrial Gases	0.00	0.00	0.00
188	Inorganic Pigments	0.00	0.00	0.00
189	Inorganic Chemicals Nec.	0.00	0.00	0.00
190	Cyclic Crudes, Interm. & Indus. Organic Chem.	0.00	0.00	0.00
191	Plastics Materials and Resins	0.00	0.00	0.00
192	Synthetic Rubber	0.00	0.00	0.00
193	Cellulosic Man-made Fibers	0.00	0.00	0.00
194	Organic Fibers, Noncellulosic	0.00	0.00	0.00
195	Drugs	0.00	0.00	0.00
196	Soap and Other Detergents	0.00	0.00	0.00
197	Polishes and Sanitation Goods	0.00	0.00	0.00
198	Surface Active Agents	0.00	0.00	0.00

Table 3. Continued.

	Sector	Location Quotient 1998	Location Quotient 2000	Percentage Change in Location Quotient (%)
199	Toilet Preparations	0.00	5.23	0.00
200	Paints and Allied Products	0.00	0.00	0.00
201	Gum and Wood Chemicals	0.00	0.00	0.00
202	Nitrogenous and Phosphatic Fertilizers	0.00	0.00	0.00
203	Fertilizers, Mixing Only	0.00	0.00	0.00
204	Agricultural Chemicals, N.E.C	0.00	0.00	0.00
205	Adhesives and Sealants	0.00	0.00	0.00
206	Explosives	0.00	0.00	0.00
207	Printing Ink	0.00	0.00	0.00
208	Carbon Black	0.00	0.00	0.00
209	Chemical Preparations, N.E.C	0.00	0.00	0.00
210	Petroleum Refining	0.00	0.00	0.00
211	Paving Mixtures and Blocks	0.00	0.00	0.00
212	Asphalt Felts and Coatings	0.00	0.00	0.00
213	Lubricating Oils and Greases	0.00	0.00	0.00
214	Petroleum and Coal Products, N.E.C.	0.00	0.00	0.00
215	Tires and Inner Tubes	0.00	0.00	0.00
216	Rubber and Plastics Footwear	0.00	0.00	0.00
217	Rubber and Plastics Hose and Belting	0.00	0.00	0.00
218	Gaskets, Packing and Sealing Devices	0.00	0.00	0.00
219	Fabricated Rubber Products, N.E.C.	0.00	0.00	0.00
220	Miscellaneous Plastics Products	0.00	0.00	0.00
221	Leather Tanning and Finishing	0.00	0.00	0.00
222	Footwear Cut Stock	0.00	0.00	0.00
223	House Slippers	0.00	0.00	0.00
224	Shoes, Except Rubber	0.00	0.00	0.00
225	Leather Gloves and Mittens	0.00	0.00	0.00
226	Luggage	0.00	0.00	0.00
227	Women's Handbags and Purses	0.00	0.00	0.00
228	Personal Leather Goods	0.00	0.00	0.00
229	Leather Goods, N.E.C	0.00	0.00	0.00
230	Glass and Glass Products, Exc Containers	0.00	0.00	0.00
231	Glass Containers	0.00	0.00	0.00
232	Cement, Hydraulic	0.00	0.00	0.00
233	Brick and Structural Clay Tile	0.00	0.00	0.00
234	Ceramic Wall and Floor Tile	0.00	0.00	0.00
235	Clay Refractories	0.00	0.00	0.00
236	Structural Clay Products, N.E.C	0.00	0.00	0.00
237	Vitreous Plumbing Fixtures	0.00	0.00	0.00
238	Vitreous China Food Utensils	0.00	0.00	0.00
239	Fine Earthenware Food Utensils	0.00	0.00	0.00
240	Porcelain Electrical Supplies	0.00	0.00	0.00
241	Pottery Products, N.E.C	0.00	0.00	0.00
242	Concrete Block and Brick	0.00	0.00	0.00
243	Concrete Products, N.E.C	0.00	0.00	0.00
244	Ready-mixed Concrete	0.00	1.88	0.00
245	Lime	0.00	0.00	0.00
246	Gypsum Products	0.00	0.00	0.00
247	Cut Stone and Stone Products	0.00	0.00	0.00
248	Abrasive Products	0.00	0.00	0.00

Table 3. Continued.

	Sector	Location Quotient 1998	Location Quotient 2000	Percentage Change in Location Quotient (%)
249	Asbestos Products	0.00	0.00	0.00
250	Minerals, Ground Or Treated	0.00	0.00	0.00
251	Mineral Wool	0.00	0.00	0.00
252	Nonclay Refractories	0.00	0.00	0.00
253	Nonmetallic Mineral Products, N.E.C.	0.00	0.00	0.00
254	Blast Furnaces and Steel Mills	0.00	0.00	0.00
255	Electrometallurgical Products	0.00	0.00	0.00
256	Steel Wire and Related Products	0.00	0.00	0.00
257	Cold Finishing Of Steel Shapes	0.00	0.00	0.00
258	Steel Pipe and Tubes	0.00	0.00	0.00
259	Iron and Steel Foundries	0.00	0.00	0.00
260	Primary Copper	0.00	0.00	0.00
261	Primary Aluminum	0.00	0.00	0.00
262	Primary Nonferrous Metals, N.E.C.	0.00	0.00	0.00
263	Secondary Nonferrous Metals	0.00	0.00	0.00
264	Copper Rolling and Drawing	0.00	0.00	0.00
265	Aluminum Rolling and Drawing	0.00	0.00	0.00
266	Nonferrous Rolling and Drawing, N.E.C.	0.00	0.00	0.00
267	Nonferrous Wire Drawing and Insulating	0.00	0.00	0.00
268	Aluminum Foundries	0.00	0.00	0.00
269	Brass, Bronze, and Copper Foundries	0.00	1.77	0.00
270	Nonferrous Castings, N.E.C.	0.00	0.00	0.00
271	Metal Heat Treating	0.00	0.00	0.00
272	Primary Metal Products, N.E.C.	0.00	0.00	0.00
273	Metal Cans	0.00	0.00	0.00
274	Metal Barrels, Drums and Pails	0.00	0.00	0.00
275	Cutlery	0.00	0.00	0.00
276	Hand and Edge Tools, N.E.C.	0.00	0.00	0.00
277	Hand Saws and Saw Blades	0.00	0.00	0.00
278	Hardware, N.E.C.	0.00	0.00	0.00
279	Metal Sanitary Ware	0.00	0.00	0.00
280	Plumbing Fixture Fittings and Trim	0.00	0.00	0.00
281	Heating Equipment, Except Electric	0.00	0.00	0.00
282	Fabricated Structural Metal	0.00	0.00	0.00
283	Metal Doors, Sash, and Trim	0.00	0.00	0.00
284	Fabricated Plate Work (Boiler Shops)	0.00	0.00	0.00
285	Sheet Metal Work	0.00	0.00	0.00
286	Architectural Metal Work	0.00	0.00	0.00
287	Prefabricated Metal Buildings	0.00	0.00	0.00
288	Miscellaneous Metal Work	0.00	0.00	0.00
289	Screw Machine Products and Bolts, Etc.	0.00	0.00	0.00
290	Iron and Steel Forgings	0.00	0.00	0.00
291	Nonferrous Forgings	0.00	0.00	0.00
292	Automotive Stampings	0.00	0.00	0.00
293	Crowns and Closures	0.00	0.00	0.00
294	Metal Stampings, N.E.C.	0.00	0.00	0.00
295	Plating and Polishing	0.00	0.00	0.00
296	Metal Coating and Allied Services	0.00	0.00	0.00
297	Small Arms Ammunition	0.00	0.00	0.00
298	Ammunition, Except For Small Arms, N.E.C.	0.00	0.00	0.00

Table 3. Continued.

	Sector	Location Quotient 1998	Location Quotient 2000	Percentage Change in Location Quotient (%)
299	Small Arms	0.00	0.00	0.00
300	Other Ordnance and Accessories	0.00	0.00	0.00
301	Industrial and Fluid Valves	0.00	0.00	0.00
302	Steel Springs, Except Wire	0.00	0.00	0.00
303	Pipe, Valves, and Pipe Fittings	0.00	0.00	0.00
304	Miscellaneous Fabricated Wire Products	0.00	0.00	0.00
305	Metal Foil and Leaf	0.00	0.00	0.00
306	Fabricated Metal Products, N.E.C.	0.00	0.00	0.00
307	Steam Engines and Turbines	0.00	0.00	0.00
308	Internal Combustion Engines, N.E.C.	0.00	0.00	0.00
309	Farm Machinery and Equipment	0.00	0.00	0.00
310	Lawn and Garden Equipment	0.00	0.00	0.00
311	Construction Machinery and Equipment	0.00	0.00	0.00
312	Mining Machinery, Except Oil Field	0.00	0.00	0.00
313	Oil Field Machinery	0.00	0.00	0.00
314	Elevators and Moving Stairways	0.00	0.00	0.00
315	Conveyors and Conveying Equipment	0.00	0.00	0.00
316	Hoists, Cranes, and Monorails	0.00	0.00	0.00
317	Industrial Trucks and Tractors	0.00	0.00	0.00
318	Machine Tools, Metal Cutting Types	0.00	0.00	0.00
319	Machine Tools, Metal Forming Types	0.00	0.00	0.00
320	Industrial Patterns	0.00	0.00	0.00
321	Special Dies and Tools and Accessories	0.00	0.00	0.00
322	Power Driven Hand Tools	0.00	0.00	0.00
323	Rolling Mill Machinery	0.00	0.00	0.00
324	Welding Apparatus	0.00	0.00	0.00
325	Metalworking Machinery, N.E.C.	0.00	0.00	0.00
326	Textile Machinery	0.00	0.00	0.00
327	Woodworking Machinery	0.00	0.00	0.00
328	Paper Industries Machinery	0.00	0.00	0.00
329	Printing Trades Machinery	0.00	0.00	0.00
330	Food Products Machinery	0.00	0.00	0.00
331	Special Industry Machinery N.E.C.	0.00	0.00	0.00
332	Pumps and Compressors	0.00	0.00	0.00
333	Ball and Roller Bearings	0.00	0.00	0.00
334	Blowers and Fans	0.00	0.00	0.00
335	Packaging Machinery	0.00	0.00	0.00
336	Power Transmission Equipment	0.00	0.00	0.00
337	Industrial Furnaces and Ovens	0.00	0.00	0.00
338	General Industrial Machinery, N.E.C.	0.00	0.00	0.00
339	Electronic Computers	0.00	0.00	0.00
340	Computer Storage Devices	0.00	0.00	0.00
341	Computer Terminals	0.00	0.00	0.00
342	Computer Peripheral Equipment,	0.00	0.00	0.00
343	Calculating and Accounting Machines	0.00	0.00	0.00
344	Typewriters and Office Machines N.E.C.	0.00	0.00	0.00
345	Automatic Merchandising Machine	0.00	0.00	0.00
346	Commercial Laundry Equipment	0.00	0.00	0.00
347	Refrigeration and Heating Equipment	0.00	0.00	0.00
348	Measuring and Dispensing Pumps	0.00	0.00	0.00

Table 3. Continued.

	Sector	Location Quotient 1998	Location Quotient 2000	Percentage Change in Location Quotient (%)
349	Service Industry Machines, N.E.C.	0.00	0.00	0.00
350	Carburetors, Pistons, Rings, Valves	0.00	0.00	0.00
351	Fluid Power Cylinders & Actuators	0.00	0.00	0.00
352	Fluid Power Pumps & Motors	0.00	0.00	0.00
353	Scales and Balances	0.00	0.00	0.00
354	Industrial Machines N.E.C.	0.71	1.07	50.60
355	Transformers	0.00	0.00	0.00
356	Switchgear and Switchboard Apparatus	0.00	0.00	0.00
357	Motors and Generators	0.00	0.00	0.00
358	Carbon and Graphite Products	0.00	0.00	0.00
359	Relays & Industrial Controls	0.00	0.00	0.00
360	Electrical Industrial Apparatus, N.E.C.	0.00	0.00	0.00
361	Household Cooking Equipment	0.00	0.00	0.00
362	Household Refrigerators and Freezers	0.00	0.00	0.00
363	Household Laundry Equipment	0.00	0.00	0.00
364	Electric Housewares and Fans	0.00	0.00	0.00
365	Household Vacuum Cleaners	0.00	0.00	0.00
366	Household Appliances, N.E.C.	0.00	0.00	0.00
367	Electric Lamps	0.00	0.00	0.00
368	Wiring Devices	0.00	0.00	0.00
369	Lighting Fixtures and Equipment	0.00	0.00	0.00
370	Radio and TV Receiving Sets	0.00	0.00	0.00
371	Phonograph Records and Tape	0.00	0.00	0.00
372	Telephone and Telegraph Apparatus	0.00	0.00	0.00
373	Radio and TV Communication Equipment	0.00	0.00	0.00
374	Communications Equipment N.E.C.	0.00	0.00	0.00
375	Electron Tubes	0.00	0.00	0.00
376	Printed Circuit Boards	0.00	0.00	0.00
377	Semiconductors and Related Devices	0.00	0.00	0.00
378	Electronic Components, N.E.C.	0.00	0.00	0.00
379	Storage Batteries	0.00	0.00	0.00
380	Primary Batteries, Dry and Wet	0.00	0.00	0.00
381	Engine Electrical Equipment	0.00	0.00	0.00
382	Magnetic & Optical Recording Media	0.00	0.00	0.00
383	Electrical Equipment, N.E.C.	0.00	0.00	0.00
384	Motor Vehicles	0.00	0.00	0.00
385	Truck and Bus Bodies	0.00	0.00	0.00
386	Motor Vehicle Parts and Accessories	0.00	0.00	0.00
387	Truck Trailers	0.00	0.00	0.00
388	Motor Homes	0.00	0.00	0.00
389	Aircraft	0.00	0.00	0.00
390	Aircraft and Missile Engines and Parts	0.00	0.00	0.00
391	Aircraft and Missile Equipment,	0.00	0.00	0.00
392	Ship Building and Repairing	0.00	0.00	0.00
393	Boat Building and Repairing	0.00	0.00	0.00
394	Railroad Equipment	2.90	0.00	-100.00
395	Motorcycles, Bicycles, and Parts	0.00	0.00	0.00
396	Complete Guided Missiles	0.00	0.00	0.00
397	Travel Trailers and Camper	0.00	0.00	0.00
398	Tanks and Tank Components	0.00	0.00	0.00

Table 3. Continued.

	Sector	Location Quotient 1998	Location Quotient 2000	Percentage Change in Location Quotient (%)
399	Transportation Equipment, N.E.C	0.00	0.00	0.00
400	Search & Navigation Equipment	0.00	0.00	0.00
401	Laboratory Apparatus & Furniture	0.00	0.00	0.00
402	Automatic Temperature Controls	0.00	0.00	0.00
403	Mechanical Measuring Devices	0.00	0.00	0.00
404	Instruments To Measure Electricity	0.00	0.00	0.00
405	Analytical Instruments	0.00	0.00	0.00
406	Optical Instruments & Lenses	0.00	0.00	0.00
407	Surgical and Medical Instrument	0.00	0.00	0.00
408	Surgical Appliances and Supplies	0.00	0.00	0.00
409	Dental Equipment and Supplies	0.00	0.00	0.00
410	X-Ray Apparatus	0.00	0.00	0.00
411	Electromedical Apparatus	0.00	0.00	0.00
412	Ophthalmic Goods	0.00	0.00	0.00
413	Photographic Equipment and Supplies	0.00	0.00	0.00
414	Watches, Clocks, and Parts	0.00	0.00	0.00
415	Jewelry, Precious Metal	0.00	0.00	0.00
416	Silverware and Plated Ware	0.00	0.00	0.00
417	Jewelers Materials and Lapidary Work	0.00	0.00	0.00
418	Musical Instruments	0.00	0.00	0.00
419	Dolls	0.00	0.00	0.00
420	Games, Toys, and Children's Vehicles	0.00	0.00	0.00
421	Sporting and Athletic Goods, N.E.C.	0.00	0.00	0.00
422	Pens and Mechanical Pencils	0.00	0.00	0.00
423	Lead Pencils and Art Goods	0.00	0.00	0.00
424	Marking Devices	0.00	0.00	0.00
425	Carbon Paper and Inked Ribbons	0.00	0.00	0.00
426	Costume Jewelry	0.00	0.00	0.00
427	Fasteners, Buttons, Needles, Pins	0.00	0.00	0.00
428	Brooms and Brushes	0.00	0.00	0.00
429	Signs and Advertising Displays	0.00	0.00	0.00
430	Burial Caskets and Vaults	0.00	0.00	0.00
431	Hard Surface Floor Coverings	0.00	0.00	0.00
432	Manufacturing Industries, N.E.C.	2.12	0.00	-100.00
433	Railroads and Related Services	1.35	0.78	-42.46
434	Local, Interurban Passenger Transit	0.06	0.25	304.63
435	Motor Freight Transport and Warehousing	0.54	0.54	-0.97
436	Water Transportation	0.00	0.00	0.00
437	Air Transportation	0.50	0.56	13.23
438	Pipe Lines, Except Natural Gas	0.00	0.00	0.00
439	Arrangement Of Passenger Transportation	0.24	0.96	293.14
440	Transportation Services	0.26	0.96	269.45
441	Communications, Except Radio and TV	0.13	0.09	-27.42
442	Radio and TV Broadcasting	0.70	0.45	-36.06
443	Electric Services	3.72	2.64	-29.01
444	Gas Production and Distribution	0.00	0.00	0.00
445	Water Supply and Sewerage Systems	0.00	0.00	0.00
446	Sanitary Services and Steam Supply	1.40	0.86	-38.22
447	Wholesale Trade	0.43	0.34	-21.25
448	Building Materials & Gardening	1.01	0.93	-7.27

Table 3. Continued.

	Sector	Location Quotient 1998	Location Quotient 2000	Percentage Change in Location Quotient (%)
449	General Merchandise Stores	0.48	0.61	25.94
450	Food Stores	1.09	1.12	2.33
451	Automotive Dealers & Service Stations	2.51	2.86	13.67
452	Apparel & Accessory Stores	0.33	0.39	16.37
453	Furniture & Home Furnishings Stores	0.61	0.63	2.48
454	Eating & Drinking	0.81	0.78	-4.03
455	Miscellaneous Retail	1.59	1.21	-23.93
456	Banking	1.01	0.58	-41.91
457	Credit Agencies	1.87	1.68	-10.00
458	Security and Commodity Brokers	0.04	0.04	-6.57
459	Insurance Carriers	0.12	0.05	-56.37
460	Insurance Agents and Brokers	0.34	0.26	-24.69
461	Owner-occupied Dwellings	0.00	0.00	0.00
462	Real Estate	0.48	0.37	-22.54
463	Hotels and Lodging Places	5.35	6.07	13.42
464	Laundry, Cleaning and Shoe Repair	0.65	0.45	-30.47
465	Portrait and Photographic Studios	0.00	0.00	0.00
466	Beauty and Barber Shops	0.00	0.00	0.00
467	Funeral Service and Crematories	1.16	0.99	-14.43
468	Miscellaneous Personal Services	1.33	1.03	-22.25
469	Advertising	0.00	0.00	0.00
470	Other Business Services	0.00	0.00	0.00
471	Photofinishing, Commercial Photography	0.00	0.00	0.00
472	Services To Buildings	0.79	0.00	-100.00
473	Equipment Rental and Leasing	0.00	0.00	0.00
474	Personnel Supply Services	0.33	0.76	127.93
475	Computer and Data Processing Services	0.00	0.00	0.00
476	Detective and Protective Services	1.65	0.00	-100.00
477	Automobile Rental and Leasing	0.00	0.00	0.00
478	Automobile Parking and Car Wash	0.00	0.39	0.00
479	Automobile Repair and Services	1.68	1.37	-18.41
480	Electrical Repair Service	0.80	0.91	13.00
481	Watch, Clock, Jewelry and Furniture Repair	0.00	0.00	0.00
482	Miscellaneous Repair Shops	0.53	0.57	6.81
483	Motion Pictures	0.16	0.87	435.10
484	Theatrical Producers, Bands Etc.	0.00	0.00	0.00
485	Bowling Alleys and Pool Halls	0.81	0.82	0.73
486	Commercial Sports Except Racing	0.00	0.00	0.00
487	Racing and Track Operation	0.00	0.00	0.00
488	Amusement and Recreation Services, N.E.C.	0.00	0.13	0.00
489	Membership Sports and Recreation Clubs	0.00	0.00	0.00
490	Doctors and Dentists	1.19	1.34	13.16
491	Nursing and Protective Care	1.65	1.92	16.12
492	Hospitals	0.00	0.00	0.00
493	Other Medical and Health Services	0.94	0.79	-16.36
494	Legal Services	0.24	0.22	-5.41
495	Elementary and Secondary Schools	0.00	0.05	0.00
496	Colleges, Universities, Schools	0.00	0.02	0.00
497	Other Educational Services	0.51	0.07	-86.19
498	Job Trainings & Related Services	0.00	0.00	0.00

Table 3. Continued.

	Sector	Location Quotient 1998	Location Quotient 2000	Percentage Change in Location Quotient (%)
499	Child Day Care Services	1.06	1.32	24.40
500	Social Services, N.E.C.	0.74	0.96	30.77
501	Residential Care	0.00	0.00	0.00
502	Other Nonprofit Organizations	0.22	0.42	96.78
503	Business Associations	0.09	0.09	0.15
504	Labor and Civic Organizations	1.17	1.07	-8.54
505	Religious Organizations	0.00	0.00	0.00
506	Engineering, Architectural Services	0.36	0.33	-9.01
507	Accounting, Auditing and Bookkeeping	2.19	1.24	-43.38
508	Management and Consulting Services	0.44	0.32	-26.07
509	Research, Development & Testing Services	0.00	0.24	0.00
510	Local Government Passenger Transit	0.00	0.00	0.00
511	State and Local Electric Utilities	0.00	0.00	0.00
512	Other State and Local Govt Enterprises	2.63	2.87	9.16
513	U.S. Postal Service	1.03	1.16	11.82
514	Federal Electric Utilities	0.00	0.00	0.00
515	Other Federal Government Enterprises	0.00	0.00	0.00
516	Noncomparable Imports	0.00	0.00	0.00
517	Scrap	0.00	0.00	0.00
518	Used and Secondhand Goods	0.00	0.00	0.00
519	Federal Government - Military	0.34	0.39	11.87
520	Federal Government - Non-Military	2.85	3.43	20.30
521	Commodity Credit Corporation	0.00	0.00	0.00
522	State & Local Government - Education	1.91	2.14	12.18
523	State & Local Government - Non-Education	2.29	2.56	12.00
524	Rest Of The World Industry	0.00	0.00	0.00
525	Domestic Services	0.62	0.69	11.17
526	Dummy	0.00	0.00	0.00
527	Dummy	0.00	0.00	0.00
528	Inventory Valuation Adjustment	0.00	0.00	0.00

Table 4. Sectoral Output Shift-Share Analysis for the City of Ely, 1998 to 2000.

Sector		National Effect	Industry Mix	Competitive Effect	Total Change
-----\$1,000's-----					
1	Dairy Farm Products	143.869	-393.490	-44.970	-294.591
2	Poultry and Eggs	0.000	0.000	0.000	0.000
3	Ranch Fed Cattle	54.802	32.857	122.213	209.872
4	Range Fed Cattle	263.957	158.259	589.468	1,011.684
5	Cattle Feedlots	56.423	33.829	138.083	228.335
6	Sheep, Lambs and Goats	29.833	-52.734	116.033	93.131
7	Hogs, Pigs and Swine	0.000	0.000	0.000	0.000
8	Other Meat Animal Products	11.566	-6.217	12.826	18.174
9	Miscellaneous Livestock	17.511	-12.630	-3.673	1.208
10	Cotton	0.000	0.000	0.000	0.000
11	Food Grains	0.000	0.000	0.000	0.000
12	Feed Grains	6.810	-3.661	-8.401	-5.253
13	Hay and Pasture	446.306	-239.954	145.013	351.364
14	Grass Seeds	0.000	0.000	0.000	0.000
15	Tobacco	0.000	0.000	0.000	0.000
16	Fruits	0.000	0.000	0.000	0.000
17	Tree Nuts	0.000	0.000	0.000	0.000
18	Vegetables	0.000	0.000	0.000	0.000
19	Sugar Crops	0.000	0.000	0.000	0.000
20	Miscellaneous Crops	0.000	0.000	5.000	5.000
21	Oil Bearing Crops	0.000	0.000	0.000	0.000
22	Forest Products	0.000	0.000	0.000	0.000
23	Greenhouse and Nursery Products	0.000	0.000	0.000	0.000
24	Forestry Products	50.586	-169.077	-366.243	-484.734
25	Commercial Fishing	82.797	-373.263	-416.923	-707.389
26	Agricultural, Forestry, Fishery Services	41.615	-13.611	-142.770	-114.766
27	Landscape and Horticultural Services	0.000	0.000	0.000	0.000
28	Iron Ores	0.000	0.000	0.000	0.000
29	Copper Ores	1016.700	-2265.542	44,193.522	42,944.681
30	Lead and Zinc Ores	0.000	0.000	0.000	0.000
31	Gold Ores	5777.658	-15075.204	-26,215.674	-35,513.220
32	Silver Ores	0.000	0.000	0.000	0.000
33	Ferroalloy Ores, Except Vanadium	0.000	0.000	0.000	0.000
34	Metal Mining Services	2162.460	-4783.124	-13,650.667	-16,271.331
35	Uranium-radium-vanadium Ores	0.000	0.000	0.000	0.000
36	Metal Ores, Not Elsewhere Classified	0.000	0.000	0.000	0.000
37	Coal Mining	0.000	0.000	0.000	0.000
38	Natural Gas & Crude Petroleum	0.000	0.000	0.000	0.000
39	Natural Gas Liquids	0.000	0.000	0.000	0.000
40	Dimension Stone	0.000	0.000	74.000	74.000
41	Sand and Gravel	6.377	8.298	-36.785	-22.110
42	Clay, Ceramic, Refractory Minerals, N.E.C.	0.000	0.000	0.000	0.000
43	Potash, Soda, and Borate Minerals	0.000	0.000	0.000	0.000
44	Phosphate Rock	0.000	0.000	0.000	0.000
45	Chemical, Fertilizer Mineral Mining, N.E.C.	0.000	0.000	0.000	0.000
46	Nonmetallic Minerals (Except Fuels) Service	0.000	0.000	0.000	0.000
47	Misc. Nonmetallic Minerals, N.E.C.	0.000	0.000	0.000	0.000
48	New Residential Structures	1490.029	2506.848	-2,320.771	1,676.106
49	New Industrial and Commercial Buildings	531.481	-171.803	-697.490	-337.811
50	New Utility Structures	62.801	36.542	-84.117	15.226
51	New Highways and Streets	75.015	22.164	-98.993	-1.815

Table 4. Continued.

	Sector	National Effect	Industry Mix	Competitive Effect	Total Change
-----\$1,000's-----					
52	New Farm Structures	0.000	0.000	0.000	0.000
53	New Mineral Extraction Facilities	34.805	-47.418	-67.901	-80.513
54	New Government Facilities	381.668	-1.922	-495.000	-115.254
55	Maintenance and Repair, Residential	152.732	1077.918	-329.173	901.477
56	Maintenance and Repair Other Facilities	197.914	12.416	-281.799	-71.469
57	Maintenance and Repair Oil and Gas Wells	644.652	-2643.686	-3,536.214	-5,535.248
58	Meat Packing Plants	0.000	0.000	0.000	0.000
59	Sausages and Other Prepared Meats	0.000	0.000	0.000	0.000
60	Poultry Processing	0.000	0.000	0.000	0.000
61	Creamery Butter	0.000	0.000	0.000	0.000
62	Cheese, Natural and Processed	0.000	0.000	0.000	0.000
63	Condensed and Evaporated Milk	0.000	0.000	0.000	0.000
64	Ice Cream and Frozen Desserts	0.000	0.000	0.000	0.000
65	Fluid Milk	0.000	0.000	0.000	0.000
66	Canned Specialties	0.000	0.000	0.000	0.000
67	Canned Fruits and Vegetables	0.000	0.000	0.000	0.000
68	Dehydrated Food Products	0.000	0.000	0.000	0.000
69	Pickles, Sauces, and Salad Dressings	0.000	0.000	0.000	0.000
70	Frozen Fruits, Juices and Vegetables	0.000	0.000	0.000	0.000
71	Frozen Specialties	0.000	0.000	0.000	0.000
72	Flour and Other Grain Mill Products	0.000	0.000	0.000	0.000
73	Cereal Preparations	0.000	0.000	0.000	0.000
74	Rice Milling	0.000	0.000	0.000	0.000
75	Blended and Prepared Flour	0.000	0.000	0.000	0.000
76	Wet Corn Milling	0.000	0.000	0.000	0.000
77	Dog, Cat, and Other Pet Food	0.000	0.000	0.000	0.000
78	Prepared Feeds, N.E.C	0.000	0.000	0.000	0.000
79	Bread, Cake, and Related Products	0.000	0.000	0.000	0.000
80	Cookies and Crackers	0.000	0.000	0.000	0.000
81	Sugar	0.000	0.000	0.000	0.000
82	Confectionery Products	0.000	0.000	0.000	0.000
83	Chocolate and Cocoa Products	0.000	0.000	0.000	0.000
84	Chewing Gum	0.000	0.000	0.000	0.000
85	Salted and Roasted Nuts & Seeds	0.000	0.000	0.000	0.000
86	Cottonseed Oil Mills	0.000	0.000	0.000	0.000
87	Soybean Oil Mills	0.000	0.000	0.000	0.000
88	Vegetable Oil Mills, N.E.C	0.000	0.000	0.000	0.000
89	Animal and Marine Fats and Oils	0.000	0.000	0.000	0.000
90	Shortening and Cooking Oils	0.000	0.000	0.000	0.000
91	Malt Beverages	0.000	0.000	0.000	0.000
92	Malt	0.000	0.000	0.000	0.000
93	Wines, Brandy, and Brandy Spirits	0.000	0.000	0.000	0.000
94	Distilled Liquor, Except Brandy	0.000	0.000	0.000	0.000
95	Bottled and Canned Soft Drinks & Water	0.000	0.000	0.000	0.000
96	Flavoring Extracts and Syrups, N.E.C.	0.000	0.000	0.000	0.000
97	Canned and Cured Sea Foods	0.000	0.000	0.000	0.000
98	Prepared Fresh Or Frozen Fish Or Seafood	0.000	0.000	0.000	0.000
99	Roasted Coffee	0.000	0.000	0.000	0.000
100	Potato Chips & Similar Snacks	0.000	0.000	0.000	0.000
101	Manufactured Ice	0.000	0.000	0.000	0.000
102	Macaroni and Spaghetti	0.000	0.000	0.000	0.000
103	Food Preparations, N.E.C	0.000	0.000	0.000	0.000

Table 4. Continued.

Sector		National Effect	Industry Mix	Competitive Effect	Total Change
104	Cigarettes	0.000	0.000	0.000	0.000
105	Cigars	0.000	0.000	0.000	0.000
106	Chewing and Smoking Tobacco	0.000	0.000	0.000	0.000
107	Tobacco Stemming and Redrying	0.000	0.000	0.000	0.000
108	Broadwoven Fabric Mills and Finishing	0.000	0.000	0.000	0.000
109	Narrow Fabric Mills	0.000	0.000	0.000	0.000
110	Women's Hosiery, Except Socks	0.000	0.000	0.000	0.000
111	Hosiery, N.E.C	0.000	0.000	0.000	0.000
112	Knit Outerwear Mills	0.000	0.000	0.000	0.000
113	Knit Underwear Mills	0.000	0.000	0.000	0.000
114	Knit Fabric Mills	0.000	0.000	0.000	0.000
115	Knitting Mills, N.E.C.	0.000	0.000	0.000	0.000
116	Yarn Mills and Finishing Of Textiles, N.E.C.	0.000	0.000	0.000	0.000
117	Carpets and Rugs	0.000	0.000	0.000	0.000
118	Thread Mills	0.000	0.000	0.000	0.000
119	Coated Fabrics, Not Rubberized	0.000	0.000	0.000	0.000
120	Tire Cord and Fabric	0.000	0.000	0.000	0.000
121	Nonwoven Fabrics	0.000	0.000	0.000	0.000
122	Cordage and Twine	0.000	0.000	0.000	0.000
123	Textile Goods, N.E.C	0.000	0.000	0.000	0.000
124	Apparel Made From Purchased Materials	0.000	0.000	0.000	0.000
125	Curtains and Draperies	0.000	0.000	0.000	0.000
126	Housefurnishings, N.E.C	0.000	0.000	0.000	0.000
127	Textile Bags	0.000	0.000	0.000	0.000
128	Canvas Products	0.000	0.000	0.000	0.000
129	Pleating and Stitching	0.000	0.000	0.000	0.000
130	Automotive and Apparel Trimmings	59.450	-0.917	-628.199	-569.666
131	Schiffi Machine Embroideries	0.000	0.000	0.000	0.000
132	Fabricated Textile Products, N.E.C.	0.000	0.000	0.000	0.000
133	Logging Camps and Logging Contractors	46.155	-154.236	-334.187	-442.268
134	Sawmills and Planing Mills, General	0.000	0.000	0.000	0.000
135	Hardwood Dimension and Flooring Mills	0.000	0.000	0.000	0.000
136	Special Product Sawmills, N.E.C	0.000	0.000	0.000	0.000
137	Millwork	0.000	0.000	0.000	0.000
138	Wood Kitchen Cabinets	0.000	0.000	0.000	0.000
139	Veneer and Plywood	0.000	0.000	0.000	0.000
140	Structural Wood Members, N.E.C	0.000	0.000	0.000	0.000
141	Wood Containers	0.000	0.000	0.000	0.000
142	Wood Pallets and Skids	0.000	0.000	0.000	0.000
143	Mobile Homes	0.000	0.000	0.000	0.000
144	Prefabricated Wood Buildings	0.000	0.000	0.000	0.000
145	Wood Preserving	0.000	0.000	0.000	0.000
146	Reconstituted Wood Products	0.000	0.000	0.000	0.000
147	Wood Products, N.E.C	0.000	0.000	0.000	0.000
148	Wood Household Furniture	0.000	0.000	0.000	0.000
149	Upholstered Household Furniture	0.000	0.000	0.000	0.000
150	Metal Household Furniture	0.000	0.000	0.000	0.000
151	Mattresses and Bedsprings	0.000	0.000	0.000	0.000
152	Wood TV and Radio Cabinets	0.000	0.000	0.000	0.000
153	Household Furniture, N.E.C	0.000	0.000	0.000	0.000
154	Wood Office Furniture	0.000	0.000	0.000	0.000
155	Metal Office Furniture	0.000	0.000	0.000	0.000

Table 4. Continued.

Sector		National Effect	Industry Mix	Competitive		Total Change
				Effect		
-----\$1,000's-----						
156	Public Building Furniture	0.000	0.000	0.000	0.000	0.000
157	Wood Partitions and Fixtures	0.000	0.000	0.000	0.000	0.000
158	Metal Partitions and Fixtures	0.000	0.000	0.000	0.000	0.000
159	Blinds, Shades, and Drapery Hardware	0.000	0.000	0.000	0.000	0.000
160	Furniture and Fixtures, N.E.C	0.000	0.000	0.000	0.000	0.000
161	Pulp Mills	0.000	0.000	0.000	0.000	0.000
162	Paper Mills, Except Building Paper	0.000	0.000	0.000	0.000	0.000
163	Paperboard Mills	0.000	0.000	0.000	0.000	0.000
164	Paperboard Containers and Boxes	0.000	0.000	0.000	0.000	0.000
165	Paper Coated & Laminated Packaging	0.000	0.000	0.000	0.000	0.000
166	Paper Coated & Laminated N.E.C.	0.000	0.000	0.000	0.000	0.000
167	Bags, Plastic	0.000	0.000	0.000	0.000	0.000
168	Bags, Paper	0.000	0.000	0.000	0.000	0.000
169	Die-cut Paper and Board	0.000	0.000	0.000	0.000	0.000
170	Sanitary Paper Products	0.000	0.000	0.000	0.000	0.000
171	Envelopes	0.000	0.000	0.000	0.000	0.000
172	Stationery Products	0.000	0.000	0.000	0.000	0.000
173	Converted Paper Products, N.E.C	0.000	0.000	0.000	0.000	0.000
174	Newspapers	97.714	-53.602	168.565		212.677
175	Periodicals	0.000	0.000	0.000		0.000
176	Book Publishing	0.000	0.000	0.000		0.000
177	Book Printing	0.000	0.000	0.000		0.000
178	Miscellaneous Publishing	0.000	0.000	0.000		0.000
179	Commercial Printing	48.749	-41.131	182.257		189.874
180	Manifold Business Forms	0.000	0.000	0.000		0.000
181	Greeting Card Publishing	0.000	0.000	0.000		0.000
182	Blankbooks and Looseleaf Binder	0.000	0.000	0.000		0.000
183	Bookbinding & Related	0.000	0.000	0.000		0.000
184	Typesetting	0.000	0.000	0.000		0.000
185	Plate Making	0.000	0.000	0.000		0.000
186	Alkalies & Chlorine	0.000	0.000	0.000		0.000
187	Industrial Gases	0.000	0.000	0.000		0.000
188	Inorganic Pigments	0.000	0.000	0.000		0.000
189	Inorganic Chemicals Nec.	0.000	0.000	0.000		0.000
190	Cyclic Crudes, Interm. & Indus. Organic Chem.	0.000	0.000	0.000		0.000
191	Plastics Materials and Resins	0.000	0.000	0.000		0.000
192	Synthetic Rubber	0.000	0.000	0.000		0.000
193	Cellulosic Man-made Fibers	0.000	0.000	0.000		0.000
194	Organic Fibers, Noncellulosic	0.000	0.000	0.000		0.000
195	Drugs	0.000	0.000	0.000		0.000
196	Soap and Other Detergents	0.000	0.000	0.000		0.000
197	Polishes and Sanitation Goods	0.000	0.000	0.000		0.000
198	Surface Active Agents	0.000	0.000	0.000		0.000
199	Toilet Preparations	0.000	0.000	2,107.000		2,107.000
200	Paints and Allied Products	0.000	0.000	0.000		0.000
201	Gum and Wood Chemicals	0.000	0.000	0.000		0.000
202	Nitrogenous and Phosphatic Fertilizers	0.000	0.000	0.000		0.000
203	Fertilizers, Mixing Only	0.000	0.000	0.000		0.000
204	Agricultural Chemicals, N.E.C	0.000	0.000	0.000		0.000
205	Adhesives and Sealants	0.000	0.000	0.000		0.000
206	Explosives	0.000	0.000	0.000		0.000
207	Printing Ink	0.000	0.000	0.000		0.000

Table 4. Continued.

Sector		National Effect	Industry Mix	Competitive Effect	Total Change
-----\$1,000's-----					
208	Carbon Black	0.000	0.000	0.000	0.000
209	Chemical Preparations, N.E.C	0.000	0.000	0.000	0.000
210	Petroleum Refining	0.000	0.000	0.000	0.000
211	Paving Mixtures and Blocks	0.000	0.000	0.000	0.000
212	Asphalt Felts and Coatings	0.000	0.000	0.000	0.000
213	Lubricating Oils and Greases	0.000	0.000	0.000	0.000
214	Petroleum and Coal Products, N.E.C.	0.000	0.000	0.000	0.000
215	Tires and Inner Tubes	0.000	0.000	0.000	0.000
216	Rubber and Plastics Footwear	0.000	0.000	0.000	0.000
217	Rubber and Plastics Hose and Belting	0.000	0.000	0.000	0.000
218	Gaskets, Packing and Sealing Devices	0.000	0.000	0.000	0.000
219	Fabricated Rubber Products, N.E.C.	0.000	0.000	0.000	0.000
220	Miscellaneous Plastics Products	0.000	0.000	0.000	0.000
221	Leather Tanning and Finishing	0.000	0.000	0.000	0.000
222	Footwear Cut Stock	0.000	0.000	0.000	0.000
223	House Slippers	0.000	0.000	0.000	0.000
224	Shoes, Except Rubber	0.000	0.000	0.000	0.000
225	Leather Gloves and Mittens	0.000	0.000	0.000	0.000
226	Luggage	0.000	0.000	0.000	0.000
227	Women's Handbags and Purses	0.000	0.000	0.000	0.000
228	Personal Leather Goods	0.000	0.000	0.000	0.000
229	Leather Goods, N.E.C	0.000	0.000	0.000	0.000
230	Glass and Glass Products, Exc Containers	0.000	0.000	0.000	0.000
231	Glass Containers	0.000	0.000	0.000	0.000
232	Cement, Hydraulic	0.000	0.000	0.000	0.000
233	Brick and Structural Clay Tile	0.000	0.000	0.000	0.000
234	Ceramic Wall and Floor Tile	0.000	0.000	0.000	0.000
235	Clay Refractories	0.000	0.000	0.000	0.000
236	Structural Clay Products, N.E.C	0.000	0.000	0.000	0.000
237	Vitreous Plumbing Fixtures	0.000	0.000	0.000	0.000
238	Vitreous China Food Utensils	0.000	0.000	0.000	0.000
239	Fine Earthenware Food Utensils	0.000	0.000	0.000	0.000
240	Porcelain Electrical Supplies	0.000	0.000	0.000	0.000
241	Pottery Products, N.E.C	0.000	0.000	0.000	0.000
242	Concrete Block and Brick	0.000	0.000	0.000	0.000
243	Concrete Products, N.E.C	0.000	0.000	0.000	0.000
244	Ready-mixed Concrete	0.000	0.000	732.000	732.000
245	Lime	0.000	0.000	0.000	0.000
246	Gypsum Products	0.000	0.000	0.000	0.000
247	Cut Stone and Stone Products	0.000	0.000	0.000	0.000
248	Abrasive Products	0.000	0.000	0.000	0.000
249	Asbestos Products	0.000	0.000	0.000	0.000
250	Minerals, Ground Or Treated	0.000	0.000	0.000	0.000
251	Mineral Wool	0.000	0.000	0.000	0.000
252	Nonclay Refractories	0.000	0.000	0.000	0.000
253	Nonmetallic Mineral Products, N.E.C.	0.000	0.000	0.000	0.000
254	Blast Furnaces and Steel Mills	0.000	0.000	0.000	0.000
255	Electrometallurgical Products	0.000	0.000	0.000	0.000
256	Steel Wire and Related Products	0.000	0.000	0.000	0.000
257	Cold Finishing Of Steel Shapes	0.000	0.000	0.000	0.000
258	Steel Pipe and Tubes	0.000	0.000	0.000	0.000
259	Iron and Steel Foundries	0.000	0.000	0.000	0.000

Table 4. Continued.

Sector		National Effect	Industry Mix	Competitive Effect	Total Change
260	Primary Copper	0.000	0.000	0.000	0.000
261	Primary Aluminum	0.000	0.000	0.000	0.000
262	Primary Nonferrous Metals, N.E.C.	0.000	0.000	0.000	0.000
263	Secondary Nonferrous Metals	0.000	0.000	0.000	0.000
264	Copper Rolling and Drawing	0.000	0.000	0.000	0.000
265	Aluminum Rolling and Drawing	0.000	0.000	0.000	0.000
266	Nonferrous Rolling and Drawing, N.E.C.	0.000	0.000	0.000	0.000
267	Nonferrous Wire Drawing and Insulating	0.000	0.000	0.000	0.000
268	Aluminum Foundries	0.000	0.000	0.000	0.000
269	Brass, Bronze, and Copper Foundries	0.000	0.000	32.000	32.000
270	Nonferrous Castings, N.E.C.	0.000	0.000	0.000	0.000
271	Metal Heat Treating	0.000	0.000	0.000	0.000
272	Primary Metal Products, N.E.C	0.000	0.000	0.000	0.000
273	Metal Cans	0.000	0.000	0.000	0.000
274	Metal Barrels, Drums and Pails	0.000	0.000	0.000	0.000
275	Cutlery	0.000	0.000	0.000	0.000
276	Hand and Edge Tools, N.E.C.	0.000	0.000	0.000	0.000
277	Hand Saws and Saw Blades	0.000	0.000	0.000	0.000
278	Hardware, N.E.C.	0.000	0.000	0.000	0.000
279	Metal Sanitary Ware	0.000	0.000	0.000	0.000
280	Plumbing Fixture Fittings and Trim	0.000	0.000	0.000	0.000
281	Heating Equipment, Except Electric	0.000	0.000	0.000	0.000
282	Fabricated Structural Metal	0.000	0.000	0.000	0.000
283	Metal Doors, Sash, and Trim	0.000	0.000	0.000	0.000
284	Fabricated Plate Work (Boiler Shops)	0.000	0.000	0.000	0.000
285	Sheet Metal Work	0.000	0.000	0.000	0.000
286	Architectural Metal Work	0.000	0.000	0.000	0.000
287	Prefabricated Metal Buildings	0.000	0.000	0.000	0.000
288	Miscellaneous Metal Work	0.000	0.000	0.000	0.000
289	Screw Machine Products and Bolts, Etc.	0.000	0.000	0.000	0.000
290	Iron and Steel Forgings	0.000	0.000	0.000	0.000
291	Nonferrous Forgings	0.000	0.000	0.000	0.000
292	Automotive Stampings	0.000	0.000	0.000	0.000
293	Crowns and Closures	0.000	0.000	0.000	0.000
294	Metal Stampings, N.E.C.	0.000	0.000	0.000	0.000
295	Plating and Polishing	0.000	0.000	0.000	0.000
296	Metal Coating and Allied Services	0.000	0.000	0.000	0.000
297	Small Arms Ammunition	0.000	0.000	0.000	0.000
298	Ammunition, Except For Small Arms, N.E.C.	0.000	0.000	0.000	0.000
299	Small Arms	0.000	0.000	0.000	0.000
300	Other Ordnance and Accessories	0.000	0.000	0.000	0.000
301	Industrial and Fluid Valves	0.000	0.000	0.000	0.000
302	Steel Springs, Except Wire	0.000	0.000	0.000	0.000
303	Pipe, Valves, and Pipe Fittings	0.000	0.000	0.000	0.000
304	Miscellaneous Fabricated Wire Products	0.000	0.000	0.000	0.000
305	Metal Foil and Leaf	0.000	0.000	0.000	0.000
306	Fabricated Metal Products, N.E.C.	0.000	0.000	0.000	0.000
307	Steam Engines and Turbines	0.000	0.000	0.000	0.000
308	Internal Combustion Engines, N.E.C.	0.000	0.000	0.000	0.000
309	Farm Machinery and Equipment	0.000	0.000	0.000	0.000
310	Lawn and Garden Equipment	0.000	0.000	0.000	0.000
311	Construction Machinery and Equipment	0.000	0.000	0.000	0.000

Table 4. Continued.

Sector		National Effect	Industry Mix	Competitive Effect	Total Change
312	Mining Machinery, Except Oil Field	0.000	0.000	0.000	0.000
313	Oil Field Machinery	0.000	0.000	0.000	0.000
314	Elevators and Moving Stairways	0.000	0.000	0.000	0.000
315	Conveyors and Conveying Equipment	0.000	0.000	0.000	0.000
316	Hoists, Cranes, and Monorails	0.000	0.000	0.000	0.000
317	Industrial Trucks and Tractors	0.000	0.000	0.000	0.000
318	Machine Tools, Metal Cutting Types	0.000	0.000	0.000	0.000
319	Machine Tools, Metal Forming Types	0.000	0.000	0.000	0.000
320	Industrial Patterns	0.000	0.000	0.000	0.000
321	Special Dies and Tools and Accessories	0.000	0.000	0.000	0.000
322	Power Driven Hand Tools	0.000	0.000	0.000	0.000
323	Rolling Mill Machinery	0.000	0.000	0.000	0.000
324	Welding Apparatus	0.000	0.000	0.000	0.000
325	Metalworking Machinery, N.E.C.	0.000	0.000	0.000	0.000
326	Textile Machinery	0.000	0.000	0.000	0.000
327	Woodworking Machinery	0.000	0.000	0.000	0.000
328	Paper Industries Machinery	0.000	0.000	0.000	0.000
329	Printing Trades Machinery	0.000	0.000	0.000	0.000
330	Food Products Machinery	0.000	0.000	0.000	0.000
331	Special Industry Machinery N.E.C.	0.000	0.000	0.000	0.000
332	Pumps and Compressors	0.000	0.000	0.000	0.000
333	Ball and Roller Bearings	0.000	0.000	0.000	0.000
334	Blowers and Fans	0.000	0.000	0.000	0.000
335	Packaging Machinery	0.000	0.000	0.000	0.000
336	Power Transmission Equipment	0.000	0.000	0.000	0.000
337	Industrial Furnaces and Ovens	0.000	0.000	0.000	0.000
338	General Industrial Machinery, N.E.C	0.000	0.000	0.000	0.000
339	Electronic Computers	0.000	0.000	0.000	0.000
340	Computer Storage Devices	0.000	0.000	0.000	0.000
341	Computer Terminals	0.000	0.000	0.000	0.000
342	Computer Peripheral Equipment,	0.000	0.000	0.000	0.000
343	Calculating and Accounting Machines	0.000	0.000	0.000	0.000
344	Typewriters and Office Machines N.E.C.	0.000	0.000	28.000	28.000
345	Automatic Merchandising Machine	0.000	0.000	0.000	0.000
346	Commercial Laundry Equipment	0.000	0.000	0.000	0.000
347	Refrigeration and Heating Equipment	0.000	0.000	0.000	0.000
348	Measuring and Dispensing Pumps	0.000	0.000	0.000	0.000
349	Service Industry Machines, N.E.C.	0.000	0.000	0.000	0.000
350	Carburetors, Pistons, Rings, Valves	0.000	0.000	0.000	0.000
351	Fluid Power Cylinders & Actuators	0.000	0.000	0.000	0.000
352	Fluid Power Pumps & Motors	0.000	0.000	0.000	0.000
353	Scales and Balances	0.000	0.000	0.000	0.000
354	Industrial Machines N.E.C.	54.153	-13.460	114.393	155.086
355	Transformers	0.000	0.000	0.000	0.000
356	Switchgear and Switchboard Apparatus	0.000	0.000	0.000	0.000
357	Motors and Generators	0.000	0.000	0.000	0.000
358	Carbon and Graphite Products	0.000	0.000	0.000	0.000
359	Relays & Industrial Controls	0.000	0.000	0.000	0.000
360	Electrical Industrial Apparatus, N.E.C.	0.000	0.000	0.000	0.000
361	Household Cooking Equipment	0.000	0.000	0.000	0.000
362	Household Refrigerators and Freezers	0.000	0.000	0.000	0.000
363	Household Laundry Equipment	0.000	0.000	0.000	0.000

Table 4. Continued.

Sector		National Effect	Industry Mix	Competitive Effect	Total Change
364	Electric Housewares and Fans	0.000	0.000	0.000	0.000
365	Household Vacuum Cleaners	0.000	0.000	0.000	0.000
366	Household Appliances, N.E.C.	0.000	0.000	0.000	0.000
367	Electric Lamps	0.000	0.000	0.000	0.000
368	Wiring Devices	0.000	0.000	0.000	0.000
369	Lighting Fixtures and Equipment	0.000	0.000	0.000	0.000
370	Radio and TV Receiving Sets	0.000	0.000	0.000	0.000
371	Phonograph Records and Tape	0.000	0.000	0.000	0.000
372	Telephone and Telegraph Apparatus	0.000	0.000	0.000	0.000
373	Radio and TV Communication Equipment	0.000	0.000	0.000	0.000
374	Communications Equipment N.E.C.	0.000	0.000	0.000	0.000
375	Electron Tubes	0.000	0.000	0.000	0.000
376	Printed Circuit Boards	0.000	0.000	0.000	0.000
377	Semiconductors and Related Devices	0.000	0.000	0.000	0.000
378	Electronic Components, N.E.C.	0.000	0.000	0.000	0.000
379	Storage Batteries	0.000	0.000	0.000	0.000
380	Primary Batteries, Dry and Wet	0.000	0.000	0.000	0.000
381	Engine Electrical Equipment	0.000	0.000	0.000	0.000
382	Magnetic & Optical Recording Media	0.000	0.000	0.000	0.000
383	Electrical Equipment, N.E.C.	0.000	0.000	0.000	0.000
384	Motor Vehicles	0.000	0.000	0.000	0.000
385	Truck and Bus Bodies	0.000	0.000	0.000	0.000
386	Motor Vehicle Parts and Accessories	0.000	0.000	0.000	0.000
387	Truck Trailers	0.000	0.000	0.000	0.000
388	Motor Homes	0.000	0.000	0.000	0.000
389	Aircraft	0.000	0.000	0.000	0.000
390	Aircraft and Missile Engines and Parts	0.000	0.000	0.000	0.000
391	Aircraft and Missile Equipment,	0.000	0.000	0.000	0.000
392	Ship Building and Repairing	0.000	0.000	0.000	0.000
393	Boat Building and Repairing	0.000	0.000	0.000	0.000
394	Railroad Equipment	66.692	-44.289	-661.465	-639.061
395	Motorcycles, Bicycles, and Parts	0.000	0.000	0.000	0.000
396	Complete Guided Missiles	0.000	0.000	0.000	0.000
397	Travel Trailers and Camper	0.000	0.000	0.000	0.000
398	Tanks and Tank Components	0.000	0.000	0.000	0.000
399	Transportation Equipment, N.E.C	0.000	0.000	0.000	0.000
400	Search & Navigation Equipment	0.000	0.000	0.000	0.000
401	Laboratory Apparatus & Furniture	0.000	0.000	3.000	3.000
402	Automatic Temperature Controls	0.000	0.000	0.000	0.000
403	Mechanical Measuring Devices	0.000	0.000	0.000	0.000
404	Instruments To Measure Electricity	0.000	0.000	0.000	0.000
405	Analytical Instruments	0.000	0.000	0.000	0.000
406	Optical Instruments & Lenses	0.000	0.000	0.000	0.000
407	Surgical and Medical Instrument	0.000	0.000	0.000	0.000
408	Surgical Appliances and Supplies	0.000	0.000	0.000	0.000
409	Dental Equipment and Supplies	0.000	0.000	0.000	0.000
410	X-Ray Apparatus	0.000	0.000	0.000	0.000
411	Electromedical Apparatus	0.000	0.000	3.000	3.000
412	Ophthalmic Goods	0.000	0.000	0.000	0.000
413	Photographic Equipment and Supplies	0.000	0.000	0.000	0.000
414	Watches, Clocks, and Parts	0.000	0.000	0.000	0.000
415	Jewelry, Precious Metal	0.000	0.000	0.000	0.000

Table 4. Continued.

Sector		National Effect	Industry Mix	Competitive Effect	Total Change
-----\$1,000's-----					
416	Silverware and Plated Ware	0.000	0.000	0.000	0.000
417	Jewelers Materials and Lapidary Work	0.000	0.000	0.000	0.000
418	Musical Instruments	0.000	0.000	0.000	0.000
419	Dolls	0.000	0.000	0.000	0.000
420	Games, Toys, and Children's Vehicles	0.000	0.000	0.000	0.000
421	Sporting and Athletic Goods, N.E.C.	0.000	0.000	0.000	0.000
422	Pens and Mechanical Pencils	0.000	0.000	0.000	0.000
423	Lead Pencils and Art Goods	0.000	0.000	0.000	0.000
424	Marking Devices	0.000	0.000	0.000	0.000
425	Carbon Paper and Inked Ribbons	0.000	0.000	0.000	0.000
426	Costume Jewelry	0.000	0.000	0.000	0.000
427	Fasteners, Buttons, Needles, Pins	0.000	0.000	0.000	0.000
428	Brooms and Brushes	0.000	0.000	0.000	0.000
429	Signs and Advertising Displays	0.000	0.000	0.000	0.000
430	Burial Caskets and Vaults	0.000	0.000	0.000	0.000
431	Hard Surface Floor Coverings	0.000	0.000	0.000	0.000
432	Manufacturing Industries, N.E.C.	58.585	-41.220	-578.744	-561.380
433	Railroads and Related Services	145.166	-161.865	-506.321	-523.020
434	Local, Interurban Passenger Transit	7.891	-1.419	269.919	276.390
435	Motor Freight Transport and Warehousing	357.239	-8.426	-597.986	-249.173
436	Water Transportation	0.000	0.000	0.000	0.000
437	Air Transportation	185.051	11.446	-164.711	31.786
438	Pipe Lines, Except Natural Gas	0.000	0.000	0.000	0.000
439	Arrangement Of Passenger Transportation	16.214	-8.458	364.881	372.637
440	Transportation Services	13.619	-13.886	252.761	252.495
441	Communications, Except Radio and TV	90.256	50.995	-360.106	-218.856
442	Radio and TV Broadcasting	83.230	38.044	-287.806	-166.532
443	Electric Services	1432.092	-2277.750	-4,574.071	-5,419.729
444	Gas Production and Distribution	0.000	0.000	0.000	0.000
445	Water Supply and Sewerage Systems	0.000	0.000	0.000	0.000
446	Sanitary Services and Steam Supply	56.531	122.216	-300.447	-121.700
447	Wholesale Trade	843.431	-519.003	-3,372.431	-3,048.003
448	Building Materials & Gardening	131.871	-35.375	-182.118	-85.622
449	General Merchandise Stores	141.274	-22.866	-25.141	93.267
450	Food Stores	384.370	-2.446	-53.072	328.852
451	Automotive Dealers & Service Stations	658.596	1233.969	751.575	2,644.140
452	Apparel & Accessory Stores	32.211	5.976	181.158	219.345
453	Furniture & Home Furnishings Stores	72.096	32.635	-143.581	-38.849
454	Eating & Drinking	665.081	-168.756	-1,520.331	-1,024.006
455	Miscellaneous Retail	877.696	420.718	-3,734.751	-2,436.337
456	Banking	859.536	1895.485	-5,102.352	-2,347.330
457	Credit Agencies	322.650	68.227	82.391	473.269
458	Security and Commodity Brokers	6.918	30.597	44.197	81.712
459	Insurance Carriers	107.550	-40.415	-319.712	-252.577
460	Insurance Agents and Brokers	41.507	35.705	-119.942	-42.730
461	Owner-occupied Dwellings	1171.378	-256.780	3,295.917	4,210.514
462	Real Estate	1364.644	-526.103	-2,524.958	-1,686.417
463	Hotels and Lodging Places	1319.137	649.161	572.338	2,540.636
464	Laundry, Cleaning and Shoe Repair	46.155	-24.337	-69.085	-47.268
465	Portrait and Photographic Studios	0.000	0.000	0.000	0.000
466	Beauty and Barber Shops	0.000	0.000	0.000	0.000
467	Funeral Service and Crematories	34.697	-35.886	-21.289	-22.478

Table 4. Continued.

Sector		National Effect	Industry Mix	Competitive Effect	Total Change
468	Miscellaneous Personal Services	130.573	50.633	-412.399	-231.193
469	Advertising	0.000	0.000	0.000	0.000
470	Other Business Services	0.000	0.000	0.000	0.000
471	Photofinishing, Commercial Photography	0.000	0.000	0.000	0.000
472	Services To Buildings	129.817	193.824	-1,567.583	-1,243.943
473	Equipment Rental and Leasing	0.000	0.000	0.000	0.000
474	Personnel Supply Services	122.467	63.376	1,273.646	1,459.489
475	Computer and Data Processing Services	0.000	0.000	0.000	0.000
476	Detective and Protective Services	161.163	-143.059	-1,562.416	-1,544.312
477	Automobile Rental and Leasing	0.000	0.000	0.000	0.000
478	Automobile Parking and Car Wash	0.000	0.000	193.000	193.000
479	Automobile Repair and Services	458.520	87.746	-1,601.942	-1,055.676
480	Electrical Repair Service	29.941	-14.294	29.448	45.096
481	Watch, Clock, Jewelry and Furniture Repair	0.000	0.000	0.000	0.000
482	Miscellaneous Repair Shops	50.694	-61.926	-33.538	-44.769
483	Motion Pictures	23.996	9.525	1,043.541	1,077.062
484	Theatrical Producers, Bands Etc.	0.000	0.000	0.000	0.000
485	Bowling Alleys and Pool Halls	11.241	-10.448	-14.512	-13.719
486	Commercial Sports Except Racing	0.000	0.000	0.000	0.000
487	Racing and Track Operation	0.000	0.000	0.000	0.000
488	Amusement and Recreation Services, N.E.C.	0.000	0.000	312.000	312.000
489	Membership Sports and Recreation Clubs	0.000	0.000	0.000	0.000
490	Doctors and Dentists	930.984	-149.702	-825.247	-43.965
491	Nursing and Protective Care	348.052	-242.088	-148.097	-42.134
492	Hospitals	0.000	0.000	0.000	0.000
493	Other Medical and Health Services	215.533	-122.753	-330.076	-237.297
494	Legal Services	80.744	-13.165	-180.289	-112.710
495	Elementary and Secondary Schools	0.000	0.000	21.000	21.000
496	Colleges, Universities, Schools	0.000	0.000	17.000	17.000
497	Other Educational Services	32.211	41.067	-323.933	-250.655
498	Job Trainings & Related Services	0.000	0.000	0.000	0.000
499	Child Day Care Services	64.746	119.956	110.880	295.582
500	Social Services, N.E.C.	83.122	123.895	264.487	471.504
501	Residential Care	0.000	0.000	0.000	0.000
502	Other Nonprofit Organizations	14.592	-8.221	-3.198	3.173
503	Business Associations	3.567	-3.396	-10.351	-10.180
504	Labor and Civic Organizations	163.973	-129.605	-659.610	-625.242
505	Religious Organizations	0.000	0.000	0.000	0.000
506	Engineering, Architectural Services	110.793	92.125	147.433	350.350
507	Accounting, Auditing and Bookkeeping	549.100	688.488	-3,243.228	-2,005.640
508	Management and Consulting Services	127.006	186.859	-562.878	-249.013
509	Research, Development & Testing Services	0.000	0.000	212.000	212.000
510	Local Government Passenger Transit	0.000	0.000	0.000	0.000
511	State and Local Electric Utilities	0.000	0.000	0.000	0.000
512	Other State and Local Govt Enterprises	611.252	260.630	275.919	1,147.801
513	U.S. Postal Service	156.515	-141.633	-26.657	-11.774
514	Federal Electric Utilities	0.000	0.000	0.000	0.000
515	Other Federal Government Enterprises	0.000	0.000	0.000	0.000
516	Noncomparable Imports	0.000	0.000	0.000	0.000
517	Scrap	0.000	0.000	0.000	0.000
518	Used and Secondhand Goods	0.000	0.000	0.000	0.000
519	Federal Government - Military	55.126	-48.772	24.410	30.765

Table 4. Continued.

Sector		National Effect	Industry Mix	Competitive Effect	Total Change
-----\$1,000's-----					
520	Federal Government - Non-Military	1019.402	-246.723	2,112.107	2,884.787
521	Commodity Credit Corporation	0.000	0.000	0.000	0.000
522	State & Local Government - Education	2167.540	-608.784	2,073.232	3,631.989
523	State & Local Government - Non-Education	2446.414	-641.712	2,478.037	4,282.739
524	Rest Of The World Industry	0.000	0.000	0.000	0.000
525	Domestic Services	17.619	-22.737	9.290	4.172
526	Dummy	0.000	0.000	0.000	0.000
527	Dummy	0.000	0.000	0.000	0.000
528	Inventory Valuation Adjustment	128.736	-2413.203	135.882	-2,148.585
	Total	36085.393	-25325.753	-21171.504	-10411.864

REST OF WHITE PINE COUNTY STUDY AREA

For the Rest of White Pine County Study Area, an analysis of employment, income, and output trends will be made. Results of this analysis will assist in identifying base economic sectors and growing economic sectors in the Rest of White Pine County study area.

Rest of White Pine County Study Area Employment Analysis

For each economic sector, total employment, share of Rest of White Pine County Study Area employment, and percentage change in sectoral employment from 1998 to 2000 are presented. Table 5 shows sectoral employment and percentage changes in employment for the Rest of White Pine County Study Area from 1998 to 2000. From Table 5, overall employment in the Rest of White Pine County Study Area remained nearly the same with 230 in 1998 and 229 in 2000.

Five manufacturing sectors were active in 2000, of which two were new sectors in 2000. For commercial sectors (retail and services), only two of six sectors realized positive employment growth from 1998 to 2000. These service industry sectors were the Hotels and Lodging Places Sector and the Social Services Sector.

Rest of White Pine County Study Area Income Analysis

Income or employee compensation data is another important tool to help identify key industries in the Rest of White Pine County Study Area economy and complements the employment analysis. Although an industry may employ a high percentage of workers, it may not offer those workers high compensation or it may only hire on a seasonal, part-time, or temporary basis.

Data generally does not distinguish among industries that pay low wages, those that require seasonal or temporary work, and those that do both. However, it can be concluded that those industries with a large number of employees, large payrolls, and therefore, higher compensation per employee, are more important to the Rest of White Pine County Study Area than industries that do not have large numbers of employees or large payrolls.

By looking at total employee compensation and employee compensation per employee, the quality of job that various industries offer in the Rest of White Pine County Study Area can be derived. Although determining job quality is a subjective exercise, most economic development practitioners would agree that high-wage jobs are important.

Table 6 shows sectoral total real employee compensation and real employee compensation per job for 1998 and 2000 for the Rest of White Pine County Study Area. The employee compensation values have been deflated for inflation so values are 2000 = 100.00. The percentage change in real employee compensation per job from 1998 to 2000, and the employee compensation per job comparison to the national average in 2000 are also shown in Table 6. For the Rest of White Pine County Study Area, total real employee compensation increased by 2.7 percent and real employee compensation per job increased by 4.0 percent.

One manufacturing sector, the Newspapers Sector, increased real compensation per job from 1998 to 2000 in the Rest of White Pine County Study Area. No manufacturing sector had real employee compensation greater than the national average. Wages in the agricultural sectors vary according to international price cycles.

A synopsis of sectoral employment and employee compensation data for the Rest of White Pine County Study Area is presented below:

- Sectoral employment and employee compensation data for the Rest of White Pine County Study Area were analyzed from 1998 to 2000.
- There were no manufacturing sectors in the Rest of White Pine County Study Area during the period 1998 to 2000 that had real employee compensation greater than the national average.
- Two commercial sectors have realized some employment increase.
- Employment stayed about the same from 1998 to 2000 but compensation per employee increased.

Results of Location Quotients for the Rest of White Pine County Study Area

Location quotients were derived for 1998 and 2000, as well as the percentage change in location quotients. The percentage change in location quotient values may yield information as to possible change in economic base for the Rest of White Pine County Study Area.

Table 7 shows the primary export sectors for the Rest of White Pine County Study Area. Many of the natural resource industries in 2000 (primarily agriculture) in the Rest of White Pine County Study Area are exporting sectors. For the service industry, two sectors were exporters, the Hotels and Lodging Places Sector and the Social Services Sector. Finally, the Non-military Federal Government Sector is an exporter. The federal government in Washington, D.C. decides

the level of activity in the Rest of White Pine County Study Area, which can influence Rest of White Pine Study Area's economic viability.

Results of the Shift-Share Analysis in the Rest of White Pine County Study Area

The Rest of White Pine County's overall output and individual sectoral output realizes increases and decreases due to a number of reasons, such as overall national output growth, changes in output by a similar national industry, and/or changes in local conditions. After the national component and industrial mix component have been calculated, the residual change, if any, is attributed to changes in competitiveness of the local economy and its industries. Table 8 shows the results of the shift-share analysis for the Rest of White Pine County Study Area.

For the Rest of White Pine County Study Area, the study area real value of output decreased by \$622,000 from 1998 to 2000. The national component was positive because overall growth in national value of real output from 1998 to 2000 was 10.43 percent. Overall study area industry mix component was negative, as well as the competitive component. The negative industry mix component means that the Rest of White Pine County Study Area has proportionately more slower growing national sectors than faster growing national sectors. The overall negative component effect means economic sectors in the Rest of White Pine County Study Area are not competitive. Again, local economic development officials may want to investigate reasons for these negative competitive impacts.

As for individual economic sectors, six manufacturing sectors in the Rest of White Pine County Study Area showed positive competitive effects. Given the emphasis to diversify local economies away from natural resources and casino industries, the positive competitive effect values for manufacturing sectors are promising indicators of the local strategy of economic diversification.

As for individual economic sectors, none of the seven Rest of White Pine County Study Area's construction sectors had positive competitive effect values. These negative competitive effects may raise concern. Construction usually reflects increased spending by investors or builders in land, materials, and other items needed to build business structures or homes. Increased value of output and positive competitive effects in the construction sectors usually signifies an increase or stronger local economy. Three construction sectors, the Maintenance and Repair Sector, the Residential, New Utility Structures Sector, and the New Highways and Streets Sector realized an increase in real total value of output in the Rest of White Pine County Study

Area, overall construction industry real value of output was positive but competitive effects were negative from 1998 to 2000.

Some commercial sectors (retail and services) realized positive competitive advantage in value of output growth from 1998 to 2000. One retail sector (the Apparel & Accessory Stores Sector) and seven service sectors (including five new sectors) had positive competitive advantage. Local economic development officials may want to investigate reasons for the positive impacts and if these sectors need assistance to maintain or even expand their positive advantage.

Trends in shift-share analysis for the Rest of White Pine County Study Area can be summarized as follows:

- The Rest of White Pine County Study Area realized a decrease in real value of output of approximately \$622,000 from 1998 to 2000.
- The decrease in total real value of output was due to the overall negative impact of both the industry mix and competitive effects. Local economic development decision-makers need to investigate causes of the negative competitive effect in the economy of the Rest of White Pine County Study Area.
- Six manufacturing sectors realized positive value of production competitive effects from 1998 to 2000. This indicates that the Rest of White Pine County Study Area has been somewhat successful in diversifying their local economy.
- All sectors in the construction sectors, whose activity is related to other sectors in the Rest of White Pine County Study Area, realized negative competitive effects. Decreased construction sectors competitiveness should be of concern to the Rest of White Pine County Study Area economic development officials because construction usually reflects increased or decreased spending by investors and homebuilders in industrial and/or home construction.
- Results of the shift-share analysis indicate that some local commercial sectors had positive competitive effects. It may be advantageous for the Rest of White Pine County Study Area economic development officials to analyze reasons why positive competitive advantage occurred for these economic sectors.
- Results of location quotient and shift-share analysis can be used to screen existing industries for industrial targeting in the Rest of White Pine County Study Area.

Table 5. Sector Employment, Share of Employment and Percentage Change in Sector Employment for the Rest of White Pine County Study Area, 1998 to 2000.

	Sector	1998 Employment Number	1998 Employment Share	2000 Employment Number	2000 Employment Share	Percentage Change in Employment (%)
1	Dairy Farm Products	1	0.43%	1	0.44%	0.00
2	Poultry and Eggs	0	0.00%	0	0.00%	N/A
3	Ranch Fed Cattle	1	0.43%	2	0.87%	100.00
4	Range Fed Cattle	8	3.48%	9	3.93%	12.50
5	Cattle Feedlots	1	0.43%	1	0.44%	0.00
6	Sheep, Lambs and Goats	4	1.74%	4	1.75%	0.00
7	Hogs, Pigs and Swine	0	0.00%	0	0.00%	N/A
8	Other Meat Animal Products	0	0.00%	0	0.00%	N/A
9	Miscellaneous Livestock	1	0.43%	1	0.44%	0.00
10	Cotton	0	0.00%	0	0.00%	N/A
11	Food Grains	0	0.00%	0	0.00%	N/A
12	Feed Grains	0	0.00%	0	0.00%	N/A
13	Hay and Pasture	31	13.48%	29	12.66%	-6.45
14	Grass Seeds	0	0.00%	0	0.00%	N/A
15	Tobacco	0	0.00%	0	0.00%	N/A
16	Fruits	0	0.00%	0	0.00%	N/A
17	Tree Nuts	0	0.00%	0	0.00%	N/A
18	Vegetables	0	0.00%	0	0.00%	N/A
19	Sugar Crops	0	0.00%	0	0.00%	N/A
20	Miscellaneous Crops	0	0.00%	0	0.00%	N/A
21	Oil Bearing Crops	0	0.00%	0	0.00%	N/A
22	Forest Products	0	0.00%	0	0.00%	N/A
23	Greenhouse and Nursery Products	0	0.00%	0	0.00%	N/A
24	Forestry Products	0	0.00%	0	0.00%	N/A
25	Commercial Fishing	1	0.43%	1	0.44%	0.00
26	Agricultural, Forestry, Fishery Services	0	0.00%	0	0.00%	N/A
27	Landscape and Horticultural Services	0	0.00%	0	0.00%	N/A
28	Iron Ores	0	0.00%	0	0.00%	N/A
29	Copper Ores	0	0.00%	0	0.00%	N/A
30	Lead and Zinc Ores	0	0.00%	0	0.00%	N/A
31	Gold Ores	0	0.00%	0	0.00%	N/A
32	Silver Ores	0	0.00%	0	0.00%	N/A

Table 5. Continued.

	Sector	1998 Employment Number	1998 Employment Share	2000 Employment Number	2000 Employment Share	Percentage Change in Employment (%)
33	Ferroalloy Ores, Except Vanadium	0	0.00%	0	0.00%	N/A
34	Metal Mining Services	0	0.00%	0	0.00%	N/A
35	Uranium-radium-vanadium Ores	0	0.00%	0	0.00%	N/A
36	Metal Ores, Not Elsewhere Classified	0	0.00%	0	0.00%	N/A
37	Coal Mining	0	0.00%	0	0.00%	N/A
38	Natural Gas & Crude Petroleum	0	0.00%	0	0.00%	N/A
39	Natural Gas Liquids	0	0.00%	0	0.00%	N/A
40	Dimension Stone	0	0.00%	0	0.00%	N/A
41	Sand and Gravel	0	0.00%	0	0.00%	N/A
42	Clay, Ceramic, Refractory Minerals, N.E.C.	0	0.00%	0	0.00%	N/A
43	Potash, Soda, and Borate Minerals	0	0.00%	0	0.00%	N/A
44	Phosphate Rock	0	0.00%	0	0.00%	N/A
45	Chemical, Fertilizer Mineral Mining, N.E.C.	0	0.00%	0	0.00%	N/A
46	Nonmetallic Minerals (Except Fuels) Service	0	0.00%	0	0.00%	N/A
47	Misc. Nonmetallic Minerals, N.E.C.	0	0.00%	0	0.00%	N/A
48	New Residential Structures	0	0.00%	0	0.00%	N/A
49	New Industrial and Commercial Buildings	2	0.87%	2	0.87%	0.00
50	New Utility Structures	1	0.43%	1	0.44%	0.00
51	New Highways and Streets	1	0.43%	1	0.44%	0.00
52	New Farm Structures	0	0.00%	0	0.00%	N/A
53	New Mineral Extraction Facilities	1	0.43%	1	0.44%	0.00
54	New Government Facilities	1	0.43%	1	0.44%	0.00
55	Maintenance and Repair, Residential	2	0.87%	2	0.87%	0.00
56	Maintenance and Repair Other Facilities	3	1.30%	3	1.31%	0.00
57	Maintenance and Repair Oil and Gas Wells	0	0.00%	0	0.00%	N/A
58	Meat Packing Plants	0	0.00%	0	0.00%	N/A
59	Sausages and Other Prepared Meats	0	0.00%	0	0.00%	N/A
60	Poultry Processing	0	0.00%	0	0.00%	N/A
61	Creamery Butter	0	0.00%	0	0.00%	N/A
62	Cheese, Natural and Processed	0	0.00%	0	0.00%	N/A
63	Condensed and Evaporated Milk	0	0.00%	0	0.00%	N/A
64	Ice Cream and Frozen Desserts	0	0.00%	0	0.00%	N/A
65	Fluid Milk	0	0.00%	0	0.00%	N/A
66	Canned Specialties	0	0.00%	0	0.00%	N/A
67	Canned Fruits and Vegetables	0	0.00%	0	0.00%	N/A

Table 5. Continued.

	Sector	1998 Employment Number	1998 Employment Share	2000 Employment Number	2000 Employment Share	Percentage Change in Employment (%)
68	Dehydrated Food Products	0	0.00%	0	0.00%	N/A
69	Pickles, Sauces, and Salad Dressings	0	0.00%	0	0.00%	N/A
70	Frozen Fruits, Juices and Vegetables	0	0.00%	0	0.00%	N/A
71	Frozen Specialties	0	0.00%	0	0.00%	N/A
72	Flour and Other Grain Mill Products	0	0.00%	0	0.00%	N/A
73	Cereal Preparations	0	0.00%	0	0.00%	N/A
74	Rice Milling	0	0.00%	0	0.00%	N/A
75	Blended and Prepared Flour	0	0.00%	0	0.00%	N/A
76	Wet Corn Milling	0	0.00%	0	0.00%	N/A
77	Dog, Cat, and Other Pet Food	0	0.00%	0	0.00%	N/A
78	Prepared Feeds, N.E.C	0	0.00%	0	0.00%	N/A
79	Bread, Cake, and Related Products	0	0.00%	0	0.00%	N/A
80	Cookies and Crackers	0	0.00%	0	0.00%	N/A
81	Sugar	0	0.00%	0	0.00%	N/A
82	Confectionery Products	0	0.00%	0	0.00%	N/A
83	Chocolate and Cocoa Products	0	0.00%	0	0.00%	N/A
84	Chewing Gum	0	0.00%	0	0.00%	N/A
85	Salted and Roasted Nuts & Seeds	0	0.00%	0	0.00%	N/A
86	Cottonseed Oil Mills	0	0.00%	0	0.00%	N/A
87	Soybean Oil Mills	0	0.00%	0	0.00%	N/A
88	Vegetable Oil Mills, N.E.C	0	0.00%	0	0.00%	N/A
89	Animal and Marine Fats and Oils	0	0.00%	0	0.00%	N/A
90	Shortening and Cooking Oils	0	0.00%	0	0.00%	N/A
91	Malt Beverages	0	0.00%	0	0.00%	N/A
92	Malt	0	0.00%	0	0.00%	N/A
93	Wines, Brandy, and Brandy Spirits	0	0.00%	0	0.00%	N/A
94	Distilled Liquor, Except Brandy	0	0.00%	0	0.00%	N/A
95	Bottled and Canned Soft Drinks & Water	0	0.00%	0	0.00%	N/A
96	Flavoring Extracts and Syrups, N.E.C.	0	0.00%	0	0.00%	N/A
97	Canned and Cured Sea Foods	0	0.00%	0	0.00%	N/A
98	Prepared Fresh Or Frozen Fish Or Seafood	0	0.00%	0	0.00%	N/A
99	Roasted Coffee	0	0.00%	0	0.00%	N/A
100	Potato Chips & Similar Snacks	0	0.00%	0	0.00%	N/A
101	Manufactured Ice	0	0.00%	0	0.00%	N/A
102	Macaroni and Spaghetti	0	0.00%	0	0.00%	N/A

Table 5. Continued.

	Sector	1998 Employment Number	1998 Employment Share	2000 Employment Number	2000 Employment Share	Percentage Change in Employment (%)
103	Food Preparations, N.E.C	0	0.00%	0	0.00%	N/A
104	Cigarettes	0	0.00%	0	0.00%	N/A
105	Cigars	0	0.00%	0	0.00%	N/A
106	Chewing and Smoking Tobacco	0	0.00%	0	0.00%	N/A
107	Tobacco Stemming and Redrying	0	0.00%	0	0.00%	N/A
108	Broadwoven Fabric Mills and Finishing	0	0.00%	0	0.00%	N/A
109	Narrow Fabric Mills	0	0.00%	0	0.00%	N/A
110	Women's Hosiery, Except Socks	0	0.00%	0	0.00%	N/A
111	Hosiery, N.E.C	0	0.00%	0	0.00%	N/A
112	Knit Outerwear Mills	0	0.00%	0	0.00%	N/A
113	Knit Underwear Mills	0	0.00%	0	0.00%	N/A
114	Knit Fabric Mills	0	0.00%	0	0.00%	N/A
115	Knitting Mills, N.E.C.	0	0.00%	0	0.00%	N/A
116	Yarn Mills and Finishing Of Textiles, N.E.C.	0	0.00%	0	0.00%	N/A
117	Carpets and Rugs	0	0.00%	0	0.00%	N/A
118	Thread Mills	0	0.00%	0	0.00%	N/A
119	Coated Fabrics, Not Rubberized	0	0.00%	0	0.00%	N/A
120	Tire Cord and Fabric	0	0.00%	0	0.00%	N/A
121	Nonwoven Fabrics	0	0.00%	0	0.00%	N/A
122	Cordage and Twine	0	0.00%	0	0.00%	N/A
123	Textile Goods, N.E.C	0	0.00%	0	0.00%	N/A
124	Apparel Made From Purchased Materials	0	0.00%	0	0.00%	N/A
125	Curtains and Draperies	0	0.00%	0	0.00%	N/A
126	Housefurnishings, N.E.C	0	0.00%	0	0.00%	N/A
127	Textile Bags	0	0.00%	0	0.00%	N/A
128	Canvas Products	0	0.00%	0	0.00%	N/A
129	Pleating and Stitching	0	0.00%	0	0.00%	N/A
130	Automotive and Apparel Trimmings	1	0.43%	0	0.00%	-100.00
131	Schiffi Machine Embroideries	0	0.00%	0	0.00%	N/A
132	Fabricated Textile Products, N.E.C.	0	0.00%	0	0.00%	N/A
133	Logging Camps and Logging Contractors	2	0.87%	0	0.00%	-100.00
134	Sawmills and Planing Mills, General	0	0.00%	0	0.00%	N/A
135	Hardwood Dimension and Flooring Mills	0	0.00%	0	0.00%	N/A
136	Special Product Sawmills, N.E.C	0	0.00%	0	0.00%	N/A
137	Millwork	0	0.00%	0	0.00%	N/A

Table 5. Continued.

	Sector	1998 Employment Number	1998 Employment Share	2000 Employment Number	2000 Employment Share	Percentage Change in Employment (%)
138	Wood Kitchen Cabinets	0	0.00%	0	0.00%	N/A
139	Veneer and Plywood	0	0.00%	0	0.00%	N/A
140	Structural Wood Members, N.E.C	0	0.00%	0	0.00%	N/A
141	Wood Containers	0	0.00%	0	0.00%	N/A
142	Wood Pallets and Skids	0	0.00%	0	0.00%	N/A
143	Mobile Homes	0	0.00%	0	0.00%	N/A
144	Prefabricated Wood Buildings	0	0.00%	0	0.00%	N/A
145	Wood Preserving	0	0.00%	0	0.00%	N/A
146	Reconstituted Wood Products	0	0.00%	0	0.00%	N/A
147	Wood Products, N.E.C	0	0.00%	0	0.00%	N/A
148	Wood Household Furniture	0	0.00%	0	0.00%	N/A
149	Upholstered Household Furniture	0	0.00%	0	0.00%	N/A
150	Metal Household Furniture	0	0.00%	0	0.00%	N/A
151	Mattresses and Bedsprings	0	0.00%	0	0.00%	N/A
152	Wood TV and Radio Cabinets	0	0.00%	0	0.00%	N/A
153	Household Furniture, N.E.C	0	0.00%	0	0.00%	N/A
154	Wood Office Furniture	0	0.00%	0	0.00%	N/A
155	Metal Office Furniture	0	0.00%	0	0.00%	N/A
156	Public Building Furniture	0	0.00%	0	0.00%	N/A
157	Wood Partitions and Fixtures	0	0.00%	0	0.00%	N/A
158	Metal Partitions and Fixtures	0	0.00%	0	0.00%	N/A
159	Blinds, Shades, and Drapery Hardware	0	0.00%	0	0.00%	N/A
160	Furniture and Fixtures, N.E.C	0	0.00%	0	0.00%	N/A
161	Pulp Mills	0	0.00%	0	0.00%	N/A
162	Paper Mills, Except Building Paper	0	0.00%	0	0.00%	N/A
163	Paperboard Mills	0	0.00%	0	0.00%	N/A
164	Paperboard Containers and Boxes	0	0.00%	0	0.00%	N/A
165	Paper Coated & Laminated Packaging	0	0.00%	0	0.00%	N/A
166	Paper Coated & Laminated N.E.C.	0	0.00%	0	0.00%	N/A
167	Bags, Plastic	0	0.00%	0	0.00%	N/A
168	Bags, Paper	0	0.00%	0	0.00%	N/A
169	Die-cut Paper and Board	0	0.00%	0	0.00%	N/A
170	Sanitary Paper Products	0	0.00%	0	0.00%	N/A
171	Envelopes	0	0.00%	0	0.00%	N/A
172	Stationery Products	0	0.00%	0	0.00%	N/A

Table 5. Continued.

	Sector	1998 Employment Number	1998 Employment Share	2000 Employment Number	2000 Employment Share	Percentage Change in Employment (%)
173	Converted Paper Products, N.E.C	0	0.00%	0	0.00%	N/A
174	Newspapers	1	0.43%	1	0.44%	0.00
175	Periodicals	0	0.00%	0	0.00%	N/A
176	Book Publishing	0	0.00%	0	0.00%	N/A
177	Book Printing	0	0.00%	0	0.00%	N/A
178	Miscellaneous Publishing	0	0.00%	0	0.00%	N/A
179	Commercial Printing	1	0.43%	1	0.44%	0.00
180	Manifold Business Forms	0	0.00%	0	0.00%	N/A
181	Greeting Card Publishing	0	0.00%	0	0.00%	N/A
182	Blankbooks and Looseleaf Binder	0	0.00%	0	0.00%	N/A
183	Bookbinding & Related	0	0.00%	0	0.00%	N/A
184	Typesetting	0	0.00%	0	0.00%	N/A
185	Plate Making	0	0.00%	0	0.00%	N/A
186	Alkalies & Chlorine	0	0.00%	0	0.00%	N/A
187	Industrial Gases	0	0.00%	0	0.00%	N/A
188	Inorganic Pigments	0	0.00%	0	0.00%	N/A
189	Inorganic Chemicals Nec.	0	0.00%	0	0.00%	N/A
190	Cyclic Crudes, Interm. & Indus. Organic Chem.	0	0.00%	0	0.00%	N/A
191	Plastics Materials and Resins	0	0.00%	0	0.00%	N/A
192	Synthetic Rubber	0	0.00%	0	0.00%	N/A
193	Cellulosic Man-made Fibers	0	0.00%	0	0.00%	N/A
194	Organic Fibers, Noncellulosic	0	0.00%	0	0.00%	N/A
195	Drugs	0	0.00%	0	0.00%	N/A
196	Soap and Other Detergents	0	0.00%	0	0.00%	N/A
197	Polishes and Sanitation Goods	0	0.00%	0	0.00%	N/A
198	Surface Active Agents	0	0.00%	0	0.00%	N/A
199	Toilet Preparations	0	0.00%	1	0.44%	INF
200	Paints and Allied Products	0	0.00%	0	0.00%	N/A
201	Gum and Wood Chemicals	0	0.00%	0	0.00%	N/A
202	Nitrogenous and Phosphatic Fertilizers	0	0.00%	0	0.00%	N/A
203	Fertilizers, Mixing Only	0	0.00%	0	0.00%	N/A
204	Agricultural Chemicals, N.E.C	0	0.00%	0	0.00%	N/A
205	Adhesives and Sealants	0	0.00%	0	0.00%	N/A
206	Explosives	0	0.00%	0	0.00%	N/A
207	Printing Ink	0	0.00%	0	0.00%	N/A

Table 5. Continued.

	Sector	1998 Employment Number	1998 Employment Share	2000 Employment Number	2000 Employment Share	Percentage Change in Employment (%)
208	Carbon Black	0	0.00%	0	0.00%	N/A
209	Chemical Preparations, N.E.C	0	0.00%	0	0.00%	N/A
210	Petroleum Refining	0	0.00%	0	0.00%	N/A
211	Paving Mixtures and Blocks	0	0.00%	0	0.00%	N/A
212	Asphalt Felts and Coatings	0	0.00%	0	0.00%	N/A
213	Lubricating Oils and Greases	0	0.00%	0	0.00%	N/A
214	Petroleum and Coal Products, N.E.C.	0	0.00%	0	0.00%	N/A
215	Tires and Inner Tubes	0	0.00%	0	0.00%	N/A
216	Rubber and Plastics Footwear	0	0.00%	0	0.00%	N/A
217	Rubber and Plastics Hose and Belting	0	0.00%	0	0.00%	N/A
218	Gaskets, Packing and Sealing Devices	0	0.00%	0	0.00%	N/A
219	Fabricated Rubber Products, N.E.C.	0	0.00%	0	0.00%	N/A
220	Miscellaneous Plastics Products	0	0.00%	0	0.00%	N/A
221	Leather Tanning and Finishing	0	0.00%	0	0.00%	N/A
222	Footwear Cut Stock	0	0.00%	0	0.00%	N/A
223	House Slippers	0	0.00%	0	0.00%	N/A
224	Shoes, Except Rubber	0	0.00%	0	0.00%	N/A
225	Leather Gloves and Mittens	0	0.00%	0	0.00%	N/A
226	Luggage	0	0.00%	0	0.00%	N/A
227	Women's Handbags and Purses	0	0.00%	0	0.00%	N/A
228	Personal Leather Goods	0	0.00%	0	0.00%	N/A
229	Leather Goods, N.E.C	0	0.00%	0	0.00%	N/A
230	Glass and Glass Products, Exc Containers	0	0.00%	0	0.00%	N/A
231	Glass Containers	0	0.00%	0	0.00%	N/A
232	Cement, Hydraulic	0	0.00%	0	0.00%	N/A
233	Brick and Structural Clay Tile	0	0.00%	0	0.00%	N/A
234	Ceramic Wall and Floor Tile	0	0.00%	0	0.00%	N/A
235	Clay Refractories	0	0.00%	0	0.00%	N/A
236	Structural Clay Products, N.E.C	0	0.00%	0	0.00%	N/A
237	Vitreous Plumbing Fixtures	0	0.00%	0	0.00%	N/A
238	Vitreous China Food Utensils	0	0.00%	0	0.00%	N/A
239	Fine Earthenware Food Utensils	0	0.00%	0	0.00%	N/A
240	Porcelain Electrical Supplies	0	0.00%	0	0.00%	N/A
241	Pottery Products, N.E.C	0	0.00%	0	0.00%	N/A
242	Concrete Block and Brick	0	0.00%	0	0.00%	N/A

Table 5. Continued.

	Sector	1998 Employment Number	1998 Employment Share	2000 Employment Number	2000 Employment Share	Percentage Change in Employment (%)
243	Concrete Products, N.E.C	0	0.00%	0	0.00%	N/A
244	Ready-mixed Concrete	0	0.00%	1	0.44%	INF
245	Lime	0	0.00%	0	0.00%	N/A
246	Gypsum Products	0	0.00%	0	0.00%	N/A
247	Cut Stone and Stone Products	0	0.00%	0	0.00%	N/A
248	Abrasive Products	0	0.00%	0	0.00%	N/A
249	Asbestos Products	0	0.00%	0	0.00%	N/A
250	Minerals, Ground Or Treated	0	0.00%	0	0.00%	N/A
251	Mineral Wool	0	0.00%	0	0.00%	N/A
252	Nonclay Refractories	0	0.00%	0	0.00%	N/A
253	Nonmetallic Mineral Products, N.E.C.	0	0.00%	0	0.00%	N/A
254	Blast Furnaces and Steel Mills	0	0.00%	0	0.00%	N/A
255	Electrometallurgical Products	0	0.00%	0	0.00%	N/A
256	Steel Wire and Related Products	0	0.00%	0	0.00%	N/A
257	Cold Finishing Of Steel Shapes	0	0.00%	0	0.00%	N/A
258	Steel Pipe and Tubes	0	0.00%	0	0.00%	N/A
259	Iron and Steel Foundries	0	0.00%	0	0.00%	N/A
260	Primary Copper	0	0.00%	0	0.00%	N/A
261	Primary Aluminum	0	0.00%	0	0.00%	N/A
262	Primary Nonferrous Metals, N.E.C.	0	0.00%	0	0.00%	N/A
263	Secondary Nonferrous Metals	0	0.00%	0	0.00%	N/A
264	Copper Rolling and Drawing	0	0.00%	0	0.00%	N/A
265	Aluminum Rolling and Drawing	0	0.00%	0	0.00%	N/A
266	Nonferrous Rolling and Drawing, N.E.C.	0	0.00%	0	0.00%	N/A
267	Nonferrous Wire Drawing and Insulating	0	0.00%	0	0.00%	N/A
268	Aluminum Foundries	0	0.00%	0	0.00%	N/A
269	Brass, Bronze, and Copper Foundries	0	0.00%	0	0.00%	N/A
270	Nonferrous Castings, N.E.C.	0	0.00%	0	0.00%	N/A
271	Metal Heat Treating	0	0.00%	0	0.00%	N/A
272	Primary Metal Products, N.E.C	0	0.00%	0	0.00%	N/A
273	Metal Cans	0	0.00%	0	0.00%	N/A
274	Metal Barrels, Drums and Pails	0	0.00%	0	0.00%	N/A
275	Cutlery	0	0.00%	0	0.00%	N/A
276	Hand and Edge Tools, N.E.C.	0	0.00%	0	0.00%	N/A
277	Hand Saws and Saw Blades	0	0.00%	0	0.00%	N/A

Table 5. Continued.

	Sector	1998 Employment Number	1998 Employment Share	2000 Employment Number	2000 Employment Share	Percentage Change in Employment (%)
278	Hardware, N.E.C.	0	0.00%	0	0.00%	N/A
279	Metal Sanitary Ware	0	0.00%	0	0.00%	N/A
280	Plumbing Fixture Fittings and Trim	0	0.00%	0	0.00%	N/A
281	Heating Equipment, Except Electric	0	0.00%	0	0.00%	N/A
282	Fabricated Structural Metal	0	0.00%	0	0.00%	N/A
283	Metal Doors, Sash, and Trim	0	0.00%	0	0.00%	N/A
284	Fabricated Plate Work (Boiler Shops)	0	0.00%	0	0.00%	N/A
285	Sheet Metal Work	0	0.00%	0	0.00%	N/A
286	Architectural Metal Work	0	0.00%	0	0.00%	N/A
287	Prefabricated Metal Buildings	0	0.00%	0	0.00%	N/A
288	Miscellaneous Metal Work	0	0.00%	0	0.00%	N/A
289	Screw Machine Products and Bolts, Etc.	0	0.00%	0	0.00%	N/A
290	Iron and Steel Forgings	0	0.00%	0	0.00%	N/A
291	Nonferrous Forgings	0	0.00%	0	0.00%	N/A
292	Automotive Stampings	0	0.00%	0	0.00%	N/A
293	Crowns and Closures	0	0.00%	0	0.00%	N/A
294	Metal Stampings, N.E.C.	0	0.00%	0	0.00%	N/A
295	Plating and Polishing	0	0.00%	0	0.00%	N/A
296	Metal Coating and Allied Services	0	0.00%	0	0.00%	N/A
297	Small Arms Ammunition	0	0.00%	0	0.00%	N/A
298	Ammunition, Except For Small Arms, N.E.C.	0	0.00%	0	0.00%	N/A
299	Small Arms	0	0.00%	0	0.00%	N/A
300	Other Ordnance and Accessories	0	0.00%	0	0.00%	N/A
301	Industrial and Fluid Valves	0	0.00%	0	0.00%	N/A
302	Steel Springs, Except Wire	0	0.00%	0	0.00%	N/A
303	Pipe, Valves, and Pipe Fittings	0	0.00%	0	0.00%	N/A
304	Miscellaneous Fabricated Wire Products	0	0.00%	0	0.00%	N/A
305	Metal Foil and Leaf	0	0.00%	0	0.00%	N/A
306	Fabricated Metal Products, N.E.C.	0	0.00%	0	0.00%	N/A
307	Steam Engines and Turbines	0	0.00%	0	0.00%	N/A
308	Internal Combustion Engines, N.E.C.	0	0.00%	0	0.00%	N/A
309	Farm Machinery and Equipment	0	0.00%	0	0.00%	N/A
310	Lawn and Garden Equipment	0	0.00%	0	0.00%	N/A
311	Construction Machinery and Equipment	0	0.00%	0	0.00%	N/A
312	Mining Machinery, Except Oil Field	0	0.00%	0	0.00%	N/A

Table 5. Continued.

	Sector	1998 Employment Number	1998 Employment Share	2000 Employment Number	2000 Employment Share	Percentage Change in Employment (%)
313	Oil Field Machinery	0	0.00%	0	0.00%	N/A
314	Elevators and Moving Stairways	0	0.00%	0	0.00%	N/A
315	Conveyors and Conveying Equipment	0	0.00%	0	0.00%	N/A
316	Hoists, Cranes, and Monorails	0	0.00%	0	0.00%	N/A
317	Industrial Trucks and Tractors	0	0.00%	0	0.00%	N/A
318	Machine Tools, Metal Cutting Types	0	0.00%	0	0.00%	N/A
319	Machine Tools, Metal Forming Types	0	0.00%	0	0.00%	N/A
320	Industrial Patterns	0	0.00%	0	0.00%	N/A
321	Special Dies and Tools and Accessories	0	0.00%	0	0.00%	N/A
322	Power Driven Hand Tools	0	0.00%	0	0.00%	N/A
323	Rolling Mill Machinery	0	0.00%	0	0.00%	N/A
324	Welding Apparatus	0	0.00%	0	0.00%	N/A
325	Metalworking Machinery, N.E.C.	0	0.00%	0	0.00%	N/A
326	Textile Machinery	0	0.00%	0	0.00%	N/A
327	Woodworking Machinery	0	0.00%	0	0.00%	N/A
328	Paper Industries Machinery	0	0.00%	0	0.00%	N/A
329	Printing Trades Machinery	0	0.00%	0	0.00%	N/A
330	Food Products Machinery	0	0.00%	0	0.00%	N/A
331	Special Industry Machinery N.E.C.	0	0.00%	0	0.00%	N/A
332	Pumps and Compressors	0	0.00%	0	0.00%	N/A
333	Ball and Roller Bearings	0	0.00%	0	0.00%	N/A
334	Blowers and Fans	0	0.00%	0	0.00%	N/A
335	Packaging Machinery	0	0.00%	0	0.00%	N/A
336	Power Transmission Equipment	0	0.00%	0	0.00%	N/A
337	Industrial Furnaces and Ovens	0	0.00%	0	0.00%	N/A
338	General Industrial Machinery, N.E.C	0	0.00%	0	0.00%	N/A
339	Electronic Computers	0	0.00%	0	0.00%	N/A
340	Computer Storage Devices	0	0.00%	0	0.00%	N/A
341	Computer Terminals	0	0.00%	0	0.00%	N/A
342	Computer Peripheral Equipment,	0	0.00%	0	0.00%	N/A
343	Calculating and Accounting Machines	0	0.00%	0	0.00%	N/A
344	Typewriters and Office Machines N.E.C.	0	0.00%	0	0.00%	N/A
345	Automatic Merchandising Machine	0	0.00%	0	0.00%	N/A
346	Commercial Laundry Equipment	0	0.00%	0	0.00%	N/A
347	Refrigeration and Heating Equipment	0	0.00%	0	0.00%	N/A

Table 5. Continued.

	Sector	1998 Employment Number	1998 Employment Share	2000 Employment Number	2000 Employment Share	Percentage Change in Employment (%)
348	Measuring and Dispensing Pumps	0	0.00%	0	0.00%	N/A
349	Service Industry Machines, N.E.C.	0	0.00%	0	0.00%	N/A
350	Carburetors, Pistons, Rings, Valves	0	0.00%	0	0.00%	N/A
351	Fluid Power Cylinders & Actuators	0	0.00%	0	0.00%	N/A
352	Fluid Power Pumps & Motors	0	0.00%	0	0.00%	N/A
353	Scales and Balances	0	0.00%	0	0.00%	N/A
354	Industrial Machines N.E.C.	1	0.43%	1	0.44%	0.00
355	Transformers	0	0.00%	0	0.00%	N/A
356	Switchgear and Switchboard Apparatus	0	0.00%	0	0.00%	N/A
357	Motors and Generators	0	0.00%	0	0.00%	N/A
358	Carbon and Graphite Products	0	0.00%	0	0.00%	N/A
359	Relays & Industrial Controls	0	0.00%	0	0.00%	N/A
360	Electrical Industrial Apparatus, N.E.C.	0	0.00%	0	0.00%	N/A
361	Household Cooking Equipment	0	0.00%	0	0.00%	N/A
362	Household Refrigerators and Freezers	0	0.00%	0	0.00%	N/A
363	Household Laundry Equipment	0	0.00%	0	0.00%	N/A
364	Electric Housewares and Fans	0	0.00%	0	0.00%	N/A
365	Household Vacuum Cleaners	0	0.00%	0	0.00%	N/A
366	Household Appliances, N.E.C.	0	0.00%	0	0.00%	N/A
367	Electric Lamps	0	0.00%	0	0.00%	N/A
368	Wiring Devices	0	0.00%	0	0.00%	N/A
369	Lighting Fixtures and Equipment	0	0.00%	0	0.00%	N/A
370	Radio and TV Receiving Sets	0	0.00%	0	0.00%	N/A
371	Phonograph Records and Tape	0	0.00%	0	0.00%	N/A
372	Telephone and Telegraph Apparatus	0	0.00%	0	0.00%	N/A
373	Radio and TV Communication Equipment	0	0.00%	0	0.00%	N/A
374	Communications Equipment N.E.C.	0	0.00%	0	0.00%	N/A
375	Electron Tubes	0	0.00%	0	0.00%	N/A
376	Printed Circuit Boards	0	0.00%	0	0.00%	N/A
377	Semiconductors and Related Devices	0	0.00%	0	0.00%	N/A
378	Electronic Components, N.E.C.	0	0.00%	0	0.00%	N/A
379	Storage Batteries	0	0.00%	0	0.00%	N/A
380	Primary Batteries, Dry and Wet	0	0.00%	0	0.00%	N/A
381	Engine Electrical Equipment	0	0.00%	0	0.00%	N/A
382	Magnetic & Optical Recording Media	0	0.00%	0	0.00%	N/A

Table 5. Continued.

	Sector	1998 Employment Number	1998 Employment Share	2000 Employment Number	2000 Employment Share	Percentage Change in Employment (%)
383	Electrical Equipment, N.E.C.	0	0.00%	0	0.00%	N/A
384	Motor Vehicles	0	0.00%	0	0.00%	N/A
385	Truck and Bus Bodies	0	0.00%	0	0.00%	N/A
386	Motor Vehicle Parts and Accessories	0	0.00%	0	0.00%	N/A
387	Truck Trailers	0	0.00%	0	0.00%	N/A
388	Motor Homes	0	0.00%	0	0.00%	N/A
389	Aircraft	0	0.00%	0	0.00%	N/A
390	Aircraft and Missile Engines and Parts	0	0.00%	0	0.00%	N/A
391	Aircraft and Missile Equipment,	0	0.00%	0	0.00%	N/A
392	Ship Building and Repairing	0	0.00%	0	0.00%	N/A
393	Boat Building and Repairing	0	0.00%	0	0.00%	N/A
394	Railroad Equipment	1	0.43%	0	0.00%	-100.00
395	Motorcycles, Bicycles, and Parts	0	0.00%	0	0.00%	N/A
396	Complete Guided Missiles	0	0.00%	0	0.00%	N/A
397	Travel Trailers and Camper	0	0.00%	0	0.00%	N/A
398	Tanks and Tank Components	0	0.00%	0	0.00%	N/A
399	Transportation Equipment, N.E.C	0	0.00%	0	0.00%	N/A
400	Search & Navigation Equipment	0	0.00%	0	0.00%	N/A
401	Laboratory Apparatus & Furniture	0	0.00%	0	0.00%	N/A
402	Automatic Temperature Controls	0	0.00%	0	0.00%	N/A
403	Mechanical Measuring Devices	0	0.00%	0	0.00%	N/A
404	Instruments To Measure Electricity	0	0.00%	0	0.00%	N/A
405	Analytical Instruments	0	0.00%	0	0.00%	N/A
406	Optical Instruments & Lenses	0	0.00%	0	0.00%	N/A
407	Surgical and Medical Instrument	0	0.00%	0	0.00%	N/A
408	Surgical Appliances and Supplies	0	0.00%	0	0.00%	N/A
409	Dental Equipment and Supplies	0	0.00%	0	0.00%	N/A
410	X-Ray Apparatus	0	0.00%	0	0.00%	N/A
411	Electromedical Apparatus	0	0.00%	0	0.00%	N/A
412	Ophthalmic Goods	0	0.00%	0	0.00%	N/A
413	Photographic Equipment and Supplies	0	0.00%	0	0.00%	N/A
414	Watches, Clocks, and Parts	0	0.00%	0	0.00%	N/A
415	Jewelry, Precious Metal	0	0.00%	0	0.00%	N/A
416	Silverware and Plated Ware	0	0.00%	0	0.00%	N/A
417	Jewelers Materials and Lapidary Work	0	0.00%	0	0.00%	N/A

Table 5. Continued.

	Sector	1998 Employment Number	1998 Employment Share	2000 Employment Number	2000 Employment Share	Percentage Change in Employment (%)
418	Musical Instruments	0	0.00%	0	0.00%	N/A
419	Dolls	0	0.00%	0	0.00%	N/A
420	Games, Toys, and Children's Vehicles	0	0.00%	0	0.00%	N/A
421	Sporting and Athletic Goods, N.E.C.	0	0.00%	0	0.00%	N/A
422	Pens and Mechanical Pencils	0	0.00%	0	0.00%	N/A
423	Lead Pencils and Art Goods	0	0.00%	0	0.00%	N/A
424	Marking Devices	0	0.00%	0	0.00%	N/A
425	Carbon Paper and Inked Ribbons	0	0.00%	0	0.00%	N/A
426	Costume Jewelry	0	0.00%	0	0.00%	N/A
427	Fasteners, Buttons, Needles, Pins	0	0.00%	0	0.00%	N/A
428	Brooms and Brushes	0	0.00%	0	0.00%	N/A
429	Signs and Advertising Displays	0	0.00%	0	0.00%	N/A
430	Burial Caskets and Vaults	0	0.00%	0	0.00%	N/A
431	Hard Surface Floor Coverings	0	0.00%	0	0.00%	N/A
432	Manufacturing Industries, N.E.C.	1	0.43%	0	0.00%	-100.00
433	Railroads and Related Services	1	0.43%	1	0.44%	0.00
434	Local, Interurban Passenger Transit	0	0.00%	0	0.00%	N/A
435	Motor Freight Transport and Warehousing	11	4.78%	11	4.80%	0.00
436	Water Transportation	0	0.00%	0	0.00%	N/A
437	Air Transportation	0	0.00%	0	0.00%	N/A
438	Pipe Lines, Except Natural Gas	0	0.00%	0	0.00%	N/A
439	Arrangement Of Passenger Transportation	0	0.00%	0	0.00%	N/A
440	Transportation Services	0	0.00%	0	0.00%	N/A
441	Communications, Except Radio and TV	0	0.00%	0	0.00%	N/A
442	Radio and TV Broadcasting	0	0.00%	0	0.00%	N/A
443	Electric Services	3	1.30%	2	0.87%	-33.33
444	Gas Production and Distribution	0	0.00%	0	0.00%	N/A
445	Water Supply and Sewerage Systems	0	0.00%	0	0.00%	N/A
446	Sanitary Services and Steam Supply	0	0.00%	0	0.00%	N/A
447	Wholesale Trade	15	6.52%	11	4.80%	-26.67
448	Building Materials & Gardening	0	0.00%	0	0.00%	N/A
449	General Merchandise Stores	0	0.00%	0	0.00%	N/A
450	Food Stores	3	1.30%	3	1.31%	0.00
451	Automotive Dealers & Service Stations	0	0.00%	0	0.00%	N/A
452	Apparel & Accessory Stores	2	0.87%	2	0.87%	0.00

Table 5. Continued.

	Sector	1998 Employment Number	1998 Employment Share	2000 Employment Number	2000 Employment Share	Percentage Change in Employment (%)
453	Furniture & Home Furnishings Stores	0	0.00%	0	0.00%	N/A
454	Eating & Drinking	2	0.87%	2	0.87%	0.00
455	Miscellaneous Retail	12	5.22%	8	3.49%	-33.33
456	Banking	0	0.00%	0	0.00%	N/A
457	Credit Agencies	3	1.30%	4	1.75%	33.33
458	Security and Commodity Brokers	0	0.00%	0	0.00%	N/A
459	Insurance Carriers	0	0.00%	0	0.00%	N/A
460	Insurance Agents and Brokers	0	0.00%	0	0.00%	N/A
461	Owner-occupied Dwellings	0	0.00%	0	0.00%	N/A
462	Real Estate	2	0.87%	2	0.87%	0.00
463	Hotels and Lodging Places	13	5.65%	15	6.55%	15.38
464	Laundry, Cleaning and Shoe Repair	0	0.00%	0	0.00%	N/A
465	Portrait and Photographic Studios	0	0.00%	0	0.00%	N/A
466	Beauty and Barber Shops	0	0.00%	0	0.00%	N/A
467	Funeral Service and Crematories	0	0.00%	0	0.00%	N/A
468	Miscellaneous Personal Services	0	0.00%	0	0.00%	N/A
469	Advertising	0	0.00%	0	0.00%	N/A
470	Other Business Services	0	0.00%	0	0.00%	N/A
471	Photofinishing, Commercial Photography	0	0.00%	0	0.00%	N/A
472	Services To Buildings	0	0.00%	0	0.00%	N/A
473	Equipment Rental and Leasing	0	0.00%	0	0.00%	N/A
474	Personnel Supply Services	0	0.00%	0	0.00%	N/A
475	Computer and Data Processing Services	0	0.00%	0	0.00%	N/A
476	Detective and Protective Services	0	0.00%	0	0.00%	N/A
477	Automobile Rental and Leasing	0	0.00%	0	0.00%	N/A
478	Automobile Parking and Car Wash	0	0.00%	0	0.00%	N/A
479	Automobile Repair and Services	0	0.00%	0	0.00%	N/A
480	Electrical Repair Service	0	0.00%	0	0.00%	N/A
481	Watch, Clock, Jewelry and Furniture Repair	0	0.00%	0	0.00%	N/A
482	Miscellaneous Repair Shops	0	0.00%	0	0.00%	N/A
483	Motion Pictures	0	0.00%	0	0.00%	N/A
484	Theatrical Producers, Bands Etc.	0	0.00%	0	0.00%	N/A
485	Bowling Alleys and Pool Halls	0	0.00%	0	0.00%	N/A
486	Commercial Sports Except Racing	0	0.00%	0	0.00%	N/A
487	Racing and Track Operation	0	0.00%	0	0.00%	N/A

Table 5. Continued.

	Sector	1998 Employment Number	1998 Employment Share	2000 Employment Number	2000 Employment Share	Percentage Change in Employment (%)
488	Amusement and Recreation Services, N.E.C.	0	0.00%	0	0.00%	N/A
489	Membership Sports and Recreation Clubs	0	0.00%	0	0.00%	N/A
490	Doctors and Dentists	0	0.00%	0	0.00%	N/A
491	Nursing and Protective Care	0	0.00%	0	0.00%	N/A
492	Hospitals	0	0.00%	0	0.00%	N/A
493	Other Medical and Health Services	0	0.00%	0	0.00%	N/A
494	Legal Services	0	0.00%	0	0.00%	N/A
495	Elementary and Secondary Schools	0	0.00%	0	0.00%	N/A
496	Colleges, Universities, Schools	0	0.00%	0	0.00%	N/A
497	Other Educational Services	0	0.00%	0	0.00%	N/A
498	Job Trainings & Related Services	0	0.00%	0	0.00%	N/A
499	Child Day Care Services	0	0.00%	0	0.00%	N/A
500	Social Services, N.E.C.	2	0.87%	3	1.31%	50.00
501	Residential Care	0	0.00%	0	0.00%	N/A
502	Other Nonprofit Organizations	0	0.00%	0	0.00%	N/A
503	Business Associations	0	0.00%	0	0.00%	N/A
504	Labor and Civic Organizations	0	0.00%	0	0.00%	N/A
505	Religious Organizations	0	0.00%	0	0.00%	N/A
506	Engineering, Architectural Services	0	0.00%	0	0.00%	N/A
507	Accounting, Auditing and Bookkeeping	0	0.00%	0	0.00%	N/A
508	Management and Consulting Services	0	0.00%	0	0.00%	N/A
509	Research, Development & Testing Services	0	0.00%	0	0.00%	N/A
510	Local Government Passenger Transit	0	0.00%	0	0.00%	N/A
511	State and Local Electric Utilities	0	0.00%	0	0.00%	N/A
512	Other State and Local Govt Enterprises	2	0.87%	3	1.31%	50.00
513	U.S. Postal Service	2	0.87%	2	0.87%	0.00
514	Federal Electric Utilities	0	0.00%	0	0.00%	N/A
515	Other Federal Government Enterprises	0	0.00%	0	0.00%	N/A
516	Noncomparable Imports	0	0.00%	0	0.00%	N/A
517	Scrap	0	0.00%	0	0.00%	N/A
518	Used and Secondhand Goods	0	0.00%	0	0.00%	N/A
519	Federal Government - Military	1	0.43%	1	0.44%	0.00
520	Federal Government - Non-Military	17	7.39%	19	8.30%	11.76
521	Commodity Credit Corporation	0	0.00%	0	0.00%	N/A
522	State & Local Government - Education	35	15.22%	38	16.59%	8.57

Table 5. Continued.

	Sector	1998 Employment Number	1998 Employment Share	2000 Employment Number	2000 Employment Share	Percentage Change in Employment (%)
523	State & Local Government - Non-Education	35	15.22%	36	15.72%	2.86
524	Rest Of The World Industry	0	0.00%	0	0.00%	N/A
525	Domestic Services	2	0.87%	2	0.87%	0.00
526	Dummy	0	0.00%	0	0.00%	N/A
527	Dummy	0	0.00%	0	0.00%	N/A
528	Inventory Valuation Adjustment	0	0.00%	0	0.00%	N/A
	Totals	230	100%	229	100%	

Table 6. Sectoral Real Employee Compensation, Real Employer Compensation Per Job, Percentage Change in Real Employee Compensation Per Job from 1998 to 2000, and National Comparison of Sectoral Employee Compensation Per Job in 2000 for the Rest of White Pine County Study Area.

Sector	1998 Real Employee Compensation (\$1,000)	1998 Real Employee Compensation per Job (\$)	2000 Real Employee Compensation (\$1,000)	2000 Real Employee Compensation per Job (\$)	Percent Change from 1998 to 2000 (%)	2000 National Comparison (%)
1 Dairy Farm Products	108.754	108,754	87.000	87,000	-20.00	567.45%
2 Poultry and Eggs	0.000	0	0.000	0	0.00	0.00%
3 Ranch Fed Cattle	31.073	31,073	41.000	41,000	31.95	1159.89%
4 Range Fed Cattle	148.113	18,514	200.000	25,000	35.03	550.34%
5 Cattle Feedlots	72.503	72,503	80.000	80,000	10.34	596.78%
6 Sheep, Lambs and Goats	16.572	4,143	22.000	5,500	32.75	432.97%
7 Hogs, Pigs and Swine	0.000	0	0.000	0	0.00	0.00%
8 Other Meat Animal Products	4.143	0	5.000	0	0.00	0.00%
9 Miscellaneous Livestock	18.644	18,644	21.000	21,000	12.64	677.23%
10 Cotton	0.000	0	0.000	0	0.00	0.00%
11 Food Grains	0.000	0	0.000	0	0.00	0.00%
12 Feed Grains	1.036	0	1.000	0	0.00	0.00%
13 Hay and Pasture	121.183	3,909	130.000	4,194	7.28	500.64%
14 Grass Seeds	0.000	0	0.000	0	0.00	0.00%
15 Tobacco	0.000	0	0.000	0	0.00	0.00%
16 Fruits	0.000	0	0.000	0	0.00	0.00%
17 Tree Nuts	0.000	0	0.000	0	0.00	0.00%
18 Vegetables	0.000	0	0.000	0	0.00	0.00%
19 Sugar Crops	0.000	0	0.000	0	0.00	0.00%
20 Miscellaneous Crops	0.000	0	0.000	0	0.00	0.00%
21 Oil Bearing Crops	0.000	0	0.000	0	0.00	0.00%
22 Forest Products	0.000	0	0.000	0	0.00	0.00%
23 Greenhouse and Nursery Products	0.000	0	0.000	0	0.00	0.00%
24 Forestry Products	4.143	0	0.000	0	0.00	0.00%
25 Commercial Fishing	232.009	232,009	23.000	23,000	-90.09	474.72%
26 Agricultural, Forestry, Fishery Services	0.000	0	0.000	0	0.00	0.00%
27 Landscape and Horticultural Services	0.000	0	0.000	0	0.00	0.00%
28 Iron Ores	0.000	0	0.000	0	0.00	0.00%
29 Copper Ores	0.000	0	0.000	0	0.00	0.00%

Table 6. Continued.

	Sector	1998 Real Employee Compensation (\$1,000)	1998 Real Employee Compensation per Job (\$)	2000 Real Employee Compensation (\$1,000)	2000 Real Employee Compensation per Job (\$)	Percent Change from 1998 to 2000 (%)	2000 National Comparison (%)
30	Lead and Zinc Ores	0.000	0	0.000	0	0.00	0.00%
31	Gold Ores	0.000	0	0.000	0	0.00	0.00%
32	Silver Ores	0.000	0	0.000	0	0.00	0.00%
33	Ferroalloy Ores, Except Vanadium	0.000	0	0.000	0	0.00	0.00%
34	Metal Mining Services	0.000	0	0.000	0	0.00	0.00%
35	Uranium-radium-vanadium Ores	0.000	0	0.000	0	0.00	0.00%
36	Metal Ores, Not Elsewhere Classified	0.000	0	0.000	0	0.00	0.00%
37	Coal Mining	0.000	0	0.000	0	0.00	0.00%
38	Natural Gas & Crude Petroleum	0.000	0	0.000	0	0.00	0.00%
39	Natural Gas Liquids	0.000	0	0.000	0	0.00	0.00%
40	Dimension Stone	0.000	0	0.000	0	0.00	0.00%
41	Sand and Gravel	6.215	0	3.000	0	0.00	0.00%
42	Clay, Ceramic, Refractory Minerals, N.E.C.	0.000	0	0.000	0	0.00	0.00%
43	Potash, Soda, and Borate Minerals	0.000	0	0.000	0	0.00	0.00%
44	Phosphate Rock	0.000	0	0.000	0	0.00	0.00%
45	Chemical, Fertilizer Mineral Mining, N.E.C.	0.000	0	0.000	0	0.00	0.00%
46	Nonmetallic Minerals (Except Fuels) Service	0.000	0	0.000	0	0.00	0.00%
47	Misc. Nonmetallic Minerals, N.E.C.	0.000	0	0.000	0	0.00	0.00%
48	New Residential Structures	0.000	0	0.000	0	0.00	0.00%
49	New Industrial and Commercial Buildings	70.431	35,216	71.000	35,500	0.81	106.24%
50	New Utility Structures	30.037	30,037	32.000	32,000	6.54	95.17%
51	New Highways and Streets	29.001	29,001	31.000	31,000	6.89	97.57%
52	New Farm Structures	0.000	0	0.000	0	0.00	0.00%
53	New Mineral Extraction Facilities	17.608	17,608	19.000	19,000	7.91	49.03%
54	New Government Facilities	54.895	54,895	55.000	55,000	0.19	122.04%
55	Maintenance and Repair, Residential	41.430	20,715	42.000	21,000	1.38	71.54%
56	Maintenance and Repair Other Facilities	78.717	26,239	79.000	26,333	0.36	79.35%
57	Maintenance and Repair Oil and Gas Wells	0.000	0	0.000	0	0.00	0.00%
58	Meat Packing Plants	0.000	0	0.000	0	0.00	0.00%
59	Sausages and Other Prepared Meats	0.000	0	0.000	0	0.00	0.00%
60	Poultry Processing	0.000	0	0.000	0	0.00	0.00%
61	Creamery Butter	0.000	0	0.000	0	0.00	0.00%

Table 6. Continued.

	Sector	1998 Real Employee Compensation (\$1,000)	1998 Real Employee Compensation per Job (\$)	2000 Real Employee Compensation (\$1,000)	2000 Real Employee Compensation per Job (\$)	Percent Change from 1998 to 2000 (%)	2000 National Comparison (%)
62	Cheese, Natural and Processed	0.000	0	0.000	0	0.00	0.00%
63	Condensed and Evaporated Milk	0.000	0	0.000	0	0.00	0.00%
64	Ice Cream and Frozen Desserts	0.000	0	0.000	0	0.00	0.00%
65	Fluid Milk	0.000	0	0.000	0	0.00	0.00%
66	Canned Specialties	0.000	0	0.000	0	0.00	0.00%
67	Canned Fruits and Vegetables	0.000	0	0.000	0	0.00	0.00%
68	Dehydrated Food Products	0.000	0	0.000	0	0.00	0.00%
69	Pickles, Sauces, and Salad Dressings	0.000	0	0.000	0	0.00	0.00%
70	Frozen Fruits, Juices and Vegetables	0.000	0	0.000	0	0.00	0.00%
71	Frozen Specialties	0.000	0	0.000	0	0.00	0.00%
72	Flour and Other Grain Mill Products	0.000	0	0.000	0	0.00	0.00%
73	Cereal Preparations	0.000	0	0.000	0	0.00	0.00%
74	Rice Milling	0.000	0	0.000	0	0.00	0.00%
75	Blended and Prepared Flour	0.000	0	0.000	0	0.00	0.00%
76	Wet Corn Milling	0.000	0	0.000	0	0.00	0.00%
77	Dog, Cat, and Other Pet Food	0.000	0	0.000	0	0.00	0.00%
78	Prepared Feeds, N.E.C	0.000	0	0.000	0	0.00	0.00%
79	Bread, Cake, and Related Products	0.000	0	0.000	0	0.00	0.00%
80	Cookies and Crackers	0.000	0	0.000	0	0.00	0.00%
81	Sugar	0.000	0	0.000	0	0.00	0.00%
82	Confectionery Products	0.000	0	0.000	0	0.00	0.00%
83	Chocolate and Cocoa Products	0.000	0	0.000	0	0.00	0.00%
84	Chewing Gum	0.000	0	0.000	0	0.00	0.00%
85	Salted and Roasted Nuts & Seeds	0.000	0	0.000	0	0.00	0.00%
86	Cottonseed Oil Mills	0.000	0	0.000	0	0.00	0.00%
87	Soybean Oil Mills	0.000	0	0.000	0	0.00	0.00%
88	Vegetable Oil Mills, N.E.C	0.000	0	0.000	0	0.00	0.00%
89	Animal and Marine Fats and Oils	0.000	0	0.000	0	0.00	0.00%
90	Shortening and Cooking Oils	0.000	0	0.000	0	0.00	0.00%
91	Malt Beverages	0.000	0	0.000	0	0.00	0.00%
92	Malt	0.000	0	0.000	0	0.00	0.00%
93	Wines, Brandy, and Brandy Spirits	0.000	0	0.000	0	0.00	0.00%

Table 6. Continued.

Sector	1998 Real Employee Compensation (\$1,000)	1998 Real Employee Compensation per Job (\$)	2000 Real Employee Compensation (\$1,000)	2000 Real Employee Compensation per Job (\$)	Percent Change from 1998 to 2000 (%)	2000 National Comparison (%)
94 Distilled Liquor, Except Brandy	0.000	0	0.000	0	0.00	0.00%
95 Bottled and Canned Soft Drinks & Water	0.000	0	0.000	0	0.00	0.00%
96 Flavoring Extracts and Syrups, N.E.C.	0.000	0	0.000	0	0.00	0.00%
97 Canned and Cured Sea Foods	0.000	0	0.000	0	0.00	0.00%
98 Prepared Fresh Or Frozen Fish Or Seafood	0.000	0	0.000	0	0.00	0.00%
99 Roasted Coffee	0.000	0	0.000	0	0.00	0.00%
100 Potato Chips & Similar Snacks	0.000	0	0.000	0	0.00	0.00%
101 Manufactured Ice	0.000	0	0.000	0	0.00	0.00%
102 Macaroni and Spaghetti	0.000	0	0.000	0	0.00	0.00%
103 Food Preparations, N.E.C	0.000	0	0.000	0	0.00	0.00%
104 Cigarettes	0.000	0	0.000	0	0.00	0.00%
105 Cigars	0.000	0	0.000	0	0.00	0.00%
106 Chewing and Smoking Tobacco	0.000	0	0.000	0	0.00	0.00%
107 Tobacco Stemming and Redrying	0.000	0	0.000	0	0.00	0.00%
108 Broadwoven Fabric Mills and Finishing	0.000	0	0.000	0	0.00	0.00%
109 Narrow Fabric Mills	0.000	0	0.000	0	0.00	0.00%
110 Women's Hosiery, Except Socks	0.000	0	0.000	0	0.00	0.00%
111 Hosiery, N.E.C	0.000	0	0.000	0	0.00	0.00%
112 Knit Outerwear Mills	0.000	0	0.000	0	0.00	0.00%
113 Knit Underwear Mills	0.000	0	0.000	0	0.00	0.00%
114 Knit Fabric Mills	0.000	0	0.000	0	0.00	0.00%
115 Knitting Mills, N.E.C.	0.000	0	0.000	0	0.00	0.00%
116 Yarn Mills and Finishing Of Textiles, N.E.C.	0.000	0	0.000	0	0.00	0.00%
117 Carpets and Rugs	0.000	0	0.000	0	0.00	0.00%
118 Thread Mills	0.000	0	0.000	0	0.00	0.00%
119 Coated Fabrics, Not Rubberized	0.000	0	0.000	0	0.00	0.00%
120 Tire Cord and Fabric	0.000	0	0.000	0	0.00	0.00%
121 Nonwoven Fabrics	0.000	0	0.000	0	0.00	0.00%
122 Cordage and Twine	0.000	0	0.000	0	0.00	0.00%
123 Textile Goods, N.E.C	0.000	0	0.000	0	0.00	0.00%
124 Apparel Made From Purchased Materials	0.000	0	0.000	0	0.00	0.00%
125 Curtains and Draperies	0.000	0	0.000	0	0.00	0.00%

Table 6. Continued.

	Sector	1998 Real Employee Compensation (\$1,000)	1998 Real Employee Compensation per Job (\$)	2000 Real Employee Compensation (\$1,000)	2000 Real Employee Compensation per Job (\$)	Percent Change from 1998 to 2000 (%)	2000 National Comparison (%)
126	Housefurnishings, N.E.C	0.000	0	0.000	0	0.00	0.00%
127	Textile Bags	0.000	0	0.000	0	0.00	0.00%
128	Canvas Products	0.000	0	0.000	0	0.00	0.00%
129	Pleating and Stitching	0.000	0	0.000	0	0.00	0.00%
130	Automotive and Apparel Trimmings	13.465	13,465	0.000	0	-100.00	0.00%
131	Schiffi Machine Embroideries	0.000	0	0.000	0	0.00	0.00%
132	Fabricated Textile Products, N.E.C.	0.000	0	0.000	0	0.00	0.00%
133	Logging Camps and Logging Contractors	99.433	49,716	0.000	0	-100.00	0.00%
134	Sawmills and Planing Mills, General	0.000	0	0.000	0	0.00	0.00%
135	Hardwood Dimension and Flooring Mills	0.000	0	0.000	0	0.00	0.00%
136	Special Product Sawmills, N.E.C	0.000	0	0.000	0	0.00	0.00%
137	Millwork	0.000	0	0.000	0	0.00	0.00%
138	Wood Kitchen Cabinets	0.000	0	0.000	0	0.00	0.00%
139	Veneer and Plywood	0.000	0	0.000	0	0.00	0.00%
140	Structural Wood Members, N.E.C	0.000	0	0.000	0	0.00	0.00%
141	Wood Containers	0.000	0	0.000	0	0.00	0.00%
142	Wood Pallets and Skids	0.000	0	0.000	0	0.00	0.00%
143	Mobile Homes	0.000	0	0.000	0	0.00	0.00%
144	Prefabricated Wood Buildings	0.000	0	0.000	0	0.00	0.00%
145	Wood Preserving	0.000	0	0.000	0	0.00	0.00%
146	Reconstituted Wood Products	0.000	0	0.000	0	0.00	0.00%
147	Wood Products, N.E.C	0.000	0	0.000	0	0.00	0.00%
148	Wood Household Furniture	0.000	0	0.000	0	0.00	0.00%
149	Upholstered Household Furniture	0.000	0	0.000	0	0.00	0.00%
150	Metal Household Furniture	0.000	0	0.000	0	0.00	0.00%
151	Mattresses and Bedsprings	0.000	0	0.000	0	0.00	0.00%
152	Wood TV and Radio Cabinets	0.000	0	0.000	0	0.00	0.00%
153	Household Furniture, N.E.C	0.000	0	0.000	0	0.00	0.00%
154	Wood Office Furniture	0.000	0	0.000	0	0.00	0.00%
155	Metal Office Furniture	0.000	0	0.000	0	0.00	0.00%
156	Public Building Furniture	0.000	0	0.000	0	0.00	0.00%
157	Wood Partitions and Fixtures	0.000	0	0.000	0	0.00	0.00%

Table 6. Continued.

Sector	1998 Real Employee Compensation (\$1,000)	1998 Real Employee Compensation per Job (\$)	2000 Real Employee Compensation (\$1,000)	2000 Real Employee Compensation per Job (\$)	Percent Change from 1998 to 2000 (%)	2000 National Comparison (%)
158 Metal Partitions and Fixtures	0.000	0	0.000	0	0.00	0.00%
159 Blinds, Shades, and Drapery Hardware	0.000	0	0.000	0	0.00	0.00%
160 Furniture and Fixtures, N.E.C	0.000	0	0.000	0	0.00	0.00%
161 Pulp Mills	0.000	0	0.000	0	0.00	0.00%
162 Paper Mills, Except Building Paper	0.000	0	0.000	0	0.00	0.00%
163 Paperboard Mills	0.000	0	0.000	0	0.00	0.00%
164 Paperboard Containers and Boxes	0.000	0	0.000	0	0.00	0.00%
165 Paper Coated & Laminated Packaging	0.000	0	0.000	0	0.00	0.00%
166 Paper Coated & Laminated N.E.C.	0.000	0	0.000	0	0.00	0.00%
167 Bags, Plastic	0.000	0	0.000	0	0.00	0.00%
168 Bags, Paper	0.000	0	0.000	0	0.00	0.00%
169 Die-cut Paper and Board	0.000	0	0.000	0	0.00	0.00%
170 Sanitary Paper Products	0.000	0	0.000	0	0.00	0.00%
171 Envelopes	0.000	0	0.000	0	0.00	0.00%
172 Stationery Products	0.000	0	0.000	0	0.00	0.00%
173 Converted Paper Products, N.E.C	0.000	0	0.000	0	0.00	0.00%
174 Newspapers	23.822	23,822	27.000	27,000	13.34	68.99%
175 Periodicals	0.000	0	0.000	0	0.00	0.00%
176 Book Publishing	0.000	0	0.000	0	0.00	0.00%
177 Book Printing	0.000	0	0.000	0	0.00	0.00%
178 Miscellaneous Publishing	0.000	0	0.000	0	0.00	0.00%
179 Commercial Printing	21.751	21,751	18.000	18,000	-17.24	44.11%
180 Manifold Business Forms	0.000	0	0.000	0	0.00	0.00%
181 Greeting Card Publishing	0.000	0	0.000	0	0.00	0.00%
182 Blankbooks and Looseleaf Binder	0.000	0	0.000	0	0.00	0.00%
183 Bookbinding & Related	0.000	0	0.000	0	0.00	0.00%
184 Typesetting	0.000	0	0.000	0	0.00	0.00%
185 Plate Making	0.000	0	0.000	0	0.00	0.00%
186 Alkalies & Chlorine	0.000	0	0.000	0	0.00	0.00%
187 Industrial Gases	0.000	0	0.000	0	0.00	0.00%
188 Inorganic Pigments	0.000	0	0.000	0	0.00	0.00%
189 Inorganic Chemicals Nec.	0.000	0	0.000	0	0.00	0.00%

Table 6. Continued.

	Sector	1998 Real Employee Compensation (\$1,000)	1998 Real Employee Compensation per Job (\$)	2000 Real Employee Compensation (\$1,000)	2000 Real Employee Compensation per Job (\$)	Percent Change from 1998 to 2000 (%)	2000 National Comparison (%)
190	Cyclic Crudes, Interm. & Indus. Organic Chem.	0.000	0	0.000	0	0.00	0.00%
191	Plastics Materials and Resins	0.000	0	0.000	0	0.00	0.00%
192	Synthetic Rubber	0.000	0	0.000	0	0.00	0.00%
193	Cellulosic Man-made Fibers	0.000	0	0.000	0	0.00	0.00%
194	Organic Fibers, Noncellulosic	0.000	0	0.000	0	0.00	0.00%
195	Drugs	0.000	0	0.000	0	0.00	0.00%
196	Soap and Other Detergents	0.000	0	0.000	0	0.00	0.00%
197	Polishes and Sanitation Goods	0.000	0	0.000	0	0.00	0.00%
198	Surface Active Agents	0.000	0	0.000	0	0.00	0.00%
199	Toilet Preparations	0.000	0	17.000	0	0.00	0.00%
200	Paints and Allied Products	0.000	0	0.000	0	0.00	0.00%
201	Gum and Wood Chemicals	0.000	0	0.000	0	0.00	0.00%
202	Nitrogenous and Phosphatic Fertilizers	0.000	0	0.000	0	0.00	0.00%
203	Fertilizers, Mixing Only	0.000	0	0.000	0	0.00	0.00%
204	Agricultural Chemicals, N.E.C.	0.000	0	0.000	0	0.00	0.00%
205	Adhesives and Sealants	0.000	0	0.000	0	0.00	0.00%
206	Explosives	0.000	0	0.000	0	0.00	0.00%
207	Printing Ink	0.000	0	0.000	0	0.00	0.00%
208	Carbon Black	0.000	0	0.000	0	0.00	0.00%
209	Chemical Preparations, N.E.C.	0.000	0	0.000	0	0.00	0.00%
210	Petroleum Refining	0.000	0	0.000	0	0.00	0.00%
211	Paving Mixtures and Blocks	0.000	0	0.000	0	0.00	0.00%
212	Asphalt Felts and Coatings	0.000	0	0.000	0	0.00	0.00%
213	Lubricating Oils and Greases	0.000	0	0.000	0	0.00	0.00%
214	Petroleum and Coal Products, N.E.C.	0.000	0	0.000	0	0.00	0.00%
215	Tires and Inner Tubes	0.000	0	0.000	0	0.00	0.00%
216	Rubber and Plastics Footwear	0.000	0	0.000	0	0.00	0.00%
217	Rubber and Plastics Hose and Belting	0.000	0	0.000	0	0.00	0.00%
218	Gaskets, Packing and Sealing Devices	0.000	0	0.000	0	0.00	0.00%
219	Fabricated Rubber Products, N.E.C.	0.000	0	0.000	0	0.00	0.00%
220	Miscellaneous Plastics Products	0.000	0	0.000	0	0.00	0.00%
221	Leather Tanning and Finishing	0.000	0	0.000	0	0.00	0.00%

Table 6. Continued.

	Sector	1998 Real Employee Compensation (\$1,000)	1998 Real Employee Compensation per Job (\$)	2000 Real Employee Compensation (\$1,000)	2000 Real Employee Compensation per Job (\$)	Percent Change from 1998 to 2000 (%)	2000 National Comparison (%)
222	Footwear Cut Stock	0.000	0	0.000	0	0.00	0.00%
223	House Slippers	0.000	0	0.000	0	0.00	0.00%
224	Shoes, Except Rubber	0.000	0	0.000	0	0.00	0.00%
225	Leather Gloves and Mittens	0.000	0	0.000	0	0.00	0.00%
226	Luggage	0.000	0	0.000	0	0.00	0.00%
227	Women's Handbags and Purses	0.000	0	0.000	0	0.00	0.00%
228	Personal Leather Goods	0.000	0	0.000	0	0.00	0.00%
229	Leather Goods, N.E.C	0.000	0	0.000	0	0.00	0.00%
230	Glass and Glass Products, Exc Containers	0.000	0	0.000	0	0.00	0.00%
231	Glass Containers	0.000	0	0.000	0	0.00	0.00%
232	Cement, Hydraulic	0.000	0	0.000	0	0.00	0.00%
233	Brick and Structural Clay Tile	0.000	0	0.000	0	0.00	0.00%
234	Ceramic Wall and Floor Tile	0.000	0	0.000	0	0.00	0.00%
235	Clay Refractories	0.000	0	0.000	0	0.00	0.00%
236	Structural Clay Products, N.E.C	0.000	0	0.000	0	0.00	0.00%
237	Vitreous Plumbing Fixtures	0.000	0	0.000	0	0.00	0.00%
238	Vitreous China Food Utensils	0.000	0	0.000	0	0.00	0.00%
239	Fine Earthenware Food Utensils	0.000	0	0.000	0	0.00	0.00%
240	Porcelain Electrical Supplies	0.000	0	0.000	0	0.00	0.00%
241	Pottery Products, N.E.C	0.000	0	0.000	0	0.00	0.00%
242	Concrete Block and Brick	0.000	0	0.000	0	0.00	0.00%
243	Concrete Products, N.E.C	0.000	0	0.000	0	0.00	0.00%
244	Ready-mixed Concrete	0.000	0	22.000	0	0.00	0.00%
245	Lime	0.000	0	0.000	0	0.00	0.00%
246	Gypsum Products	0.000	0	0.000	0	0.00	0.00%
247	Cut Stone and Stone Products	0.000	0	0.000	0	0.00	0.00%
248	Abrasive Products	0.000	0	0.000	0	0.00	0.00%
249	Asbestos Products	0.000	0	0.000	0	0.00	0.00%
250	Minerals, Ground Or Treated	0.000	0	0.000	0	0.00	0.00%
251	Mineral Wool	0.000	0	0.000	0	0.00	0.00%
252	Nonclay Refractories	0.000	0	0.000	0	0.00	0.00%
253	Nonmetallic Mineral Products, N.E.C.	0.000	0	0.000	0	0.00	0.00%

Table 6. Continued.

	Sector	1998 Real Employee Compensation (\$1,000)	1998 Real Employee Compensation per Job (\$)	2000 Real Employee Compensation (\$1,000)	2000 Real Employee Compensation per Job (\$)	Percent Change from 1998 to 2000 (%)	2000 National Comparison (%)
254	Blast Furnaces and Steel Mills	0.000	0	0.000	0	0.00	0.00%
255	Electrometallurgical Products	0.000	0	0.000	0	0.00	0.00%
256	Steel Wire and Related Products	0.000	0	0.000	0	0.00	0.00%
257	Cold Finishing Of Steel Shapes	0.000	0	0.000	0	0.00	0.00%
258	Steel Pipe and Tubes	0.000	0	0.000	0	0.00	0.00%
259	Iron and Steel Foundries	0.000	0	0.000	0	0.00	0.00%
260	Primary Copper	0.000	0	0.000	0	0.00	0.00%
261	Primary Aluminum	0.000	0	0.000	0	0.00	0.00%
262	Primary Nonferrous Metals, N.E.C.	0.000	0	0.000	0	0.00	0.00%
263	Secondary Nonferrous Metals	0.000	0	0.000	0	0.00	0.00%
264	Copper Rolling and Drawing	0.000	0	0.000	0	0.00	0.00%
265	Aluminum Rolling and Drawing	0.000	0	0.000	0	0.00	0.00%
266	Nonferrous Rolling and Drawing, N.E.C.	0.000	0	0.000	0	0.00	0.00%
267	Nonferrous Wire Drawing and Insulating	0.000	0	0.000	0	0.00	0.00%
268	Aluminum Foundries	0.000	0	0.000	0	0.00	0.00%
269	Brass, Bronze, and Copper Foundries	0.000	0	2.000	0	0.00	0.00%
270	Nonferrous Castings, N.E.C.	0.000	0	0.000	0	0.00	0.00%
271	Metal Heat Treating	0.000	0	0.000	0	0.00	0.00%
272	Primary Metal Products, N.E.C.	0.000	0	0.000	0	0.00	0.00%
273	Metal Cans	0.000	0	0.000	0	0.00	0.00%
274	Metal Barrels, Drums and Pails	0.000	0	0.000	0	0.00	0.00%
275	Cutlery	0.000	0	0.000	0	0.00	0.00%
276	Hand and Edge Tools, N.E.C.	0.000	0	0.000	0	0.00	0.00%
277	Hand Saws and Saw Blades	0.000	0	0.000	0	0.00	0.00%
278	Hardware, N.E.C.	0.000	0	0.000	0	0.00	0.00%
279	Metal Sanitary Ware	0.000	0	0.000	0	0.00	0.00%
280	Plumbing Fixture Fittings and Trim	0.000	0	0.000	0	0.00	0.00%
281	Heating Equipment, Except Electric	0.000	0	0.000	0	0.00	0.00%
282	Fabricated Structural Metal	0.000	0	0.000	0	0.00	0.00%
283	Metal Doors, Sash, and Trim	0.000	0	0.000	0	0.00	0.00%
284	Fabricated Plate Work (Boiler Shops)	0.000	0	0.000	0	0.00	0.00%
285	Sheet Metal Work	0.000	0	0.000	0	0.00	0.00%

Table 6. Continued.

Sector	1998 Real Employee Compensation (\$1,000)	1998 Real Employee Compensation per Job (\$)	2000 Real Employee Compensation (\$1,000)	2000 Real Employee Compensation per Job (\$)	Percent Change from 1998 to 2000 (%)	2000 National Comparison (%)
286 Architectural Metal Work	0.000	0	0.000	0	0.00	0.00%
287 Prefabricated Metal Buildings	0.000	0	0.000	0	0.00	0.00%
288 Miscellaneous Metal Work	0.000	0	0.000	0	0.00	0.00%
289 Screw Machine Products and Bolts, Etc.	0.000	0	0.000	0	0.00	0.00%
290 Iron and Steel Forgings	0.000	0	0.000	0	0.00	0.00%
291 Nonferrous Forgings	0.000	0	0.000	0	0.00	0.00%
292 Automotive Stampings	0.000	0	0.000	0	0.00	0.00%
293 Crowns and Closures	0.000	0	0.000	0	0.00	0.00%
294 Metal Stampings, N.E.C.	0.000	0	0.000	0	0.00	0.00%
295 Plating and Polishing	0.000	0	0.000	0	0.00	0.00%
296 Metal Coating and Allied Services	0.000	0	0.000	0	0.00	0.00%
297 Small Arms Ammunition	0.000	0	0.000	0	0.00	0.00%
298 Ammunition, Except For Small Arms, N.E.C.	0.000	0	0.000	0	0.00	0.00%
299 Small Arms	0.000	0	0.000	0	0.00	0.00%
300 Other Ordnance and Accessories	0.000	0	0.000	0	0.00	0.00%
301 Industrial and Fluid Valves	0.000	0	0.000	0	0.00	0.00%
302 Steel Springs, Except Wire	0.000	0	0.000	0	0.00	0.00%
303 Pipe, Valves, and Pipe Fittings	0.000	0	0.000	0	0.00	0.00%
304 Miscellaneous Fabricated Wire Products	0.000	0	0.000	0	0.00	0.00%
305 Metal Foil and Leaf	0.000	0	0.000	0	0.00	0.00%
306 Fabricated Metal Products, N.E.C.	0.000	0	0.000	0	0.00	0.00%
307 Steam Engines and Turbines	0.000	0	0.000	0	0.00	0.00%
308 Internal Combustion Engines, N.E.C.	0.000	0	0.000	0	0.00	0.00%
309 Farm Machinery and Equipment	0.000	0	0.000	0	0.00	0.00%
310 Lawn and Garden Equipment	0.000	0	0.000	0	0.00	0.00%
311 Construction Machinery and Equipment	0.000	0	0.000	0	0.00	0.00%
312 Mining Machinery, Except Oil Field	0.000	0	0.000	0	0.00	0.00%
313 Oil Field Machinery	0.000	0	0.000	0	0.00	0.00%
314 Elevators and Moving Stairways	0.000	0	0.000	0	0.00	0.00%
315 Conveyors and Conveying Equipment	0.000	0	0.000	0	0.00	0.00%
316 Hoists, Cranes, and Monorails	0.000	0	0.000	0	0.00	0.00%
317 Industrial Trucks and Tractors	0.000	0	0.000	0	0.00	0.00%

Table 6. Continued.

Sector	1998 Real Employee Compensation (\$1,000)	1998 Real Employee Compensation per Job (\$)	2000 Real Employee Compensation (\$1,000)	2000 Real Employee Compensation per Job (\$)	Percent Change from 1998 to 2000 (%)	2000 National Comparison (%)
318 Machine Tools, Metal Cutting Types	0.000	0	0.000	0	0.00	0.00%
319 Machine Tools, Metal Forming Types	0.000	0	0.000	0	0.00	0.00%
320 Industrial Patterns	0.000	0	0.000	0	0.00	0.00%
321 Special Dies and Tools and Accessories	0.000	0	0.000	0	0.00	0.00%
322 Power Driven Hand Tools	0.000	0	0.000	0	0.00	0.00%
323 Rolling Mill Machinery	0.000	0	0.000	0	0.00	0.00%
324 Welding Apparatus	0.000	0	0.000	0	0.00	0.00%
325 Metalworking Machinery, N.E.C.	0.000	0	0.000	0	0.00	0.00%
326 Textile Machinery	0.000	0	0.000	0	0.00	0.00%
327 Woodworking Machinery	0.000	0	0.000	0	0.00	0.00%
328 Paper Industries Machinery	0.000	0	0.000	0	0.00	0.00%
329 Printing Trades Machinery	0.000	0	0.000	0	0.00	0.00%
330 Food Products Machinery	0.000	0	0.000	0	0.00	0.00%
331 Special Industry Machinery N.E.C.	0.000	0	0.000	0	0.00	0.00%
332 Pumps and Compressors	0.000	0	0.000	0	0.00	0.00%
333 Ball and Roller Bearings	0.000	0	0.000	0	0.00	0.00%
334 Blowers and Fans	0.000	0	0.000	0	0.00	0.00%
335 Packaging Machinery	0.000	0	0.000	0	0.00	0.00%
336 Power Transmission Equipment	0.000	0	0.000	0	0.00	0.00%
337 Industrial Furnaces and Ovens	0.000	0	0.000	0	0.00	0.00%
338 General Industrial Machinery, N.E.C.	0.000	0	0.000	0	0.00	0.00%
339 Electronic Computers	0.000	0	0.000	0	0.00	0.00%
340 Computer Storage Devices	0.000	0	0.000	0	0.00	0.00%
341 Computer Terminals	0.000	0	0.000	0	0.00	0.00%
342 Computer Peripheral Equipment,	0.000	0	0.000	0	0.00	0.00%
343 Calculating and Accounting Machines	0.000	0	0.000	0	0.00	0.00%
344 Typewriters and Office Machines N.E.C.	0.000	0	1.000	0	0.00	0.00%
345 Automatic Merchandising Machine	0.000	0	0.000	0	0.00	0.00%
346 Commercial Laundry Equipment	0.000	0	0.000	0	0.00	0.00%
347 Refrigeration and Heating Equipment	0.000	0	0.000	0	0.00	0.00%
348 Measuring and Dispensing Pumps	0.000	0	0.000	0	0.00	0.00%
349 Service Industry Machines, N.E.C.	0.000	0	0.000	0	0.00	0.00%

Table 6. Continued.

Sector	1998 Real Employee Compensation (\$1,000)	1998 Real Employee Compensation per Job (\$)	2000 Real Employee Compensation (\$1,000)	2000 Real Employee Compensation per Job (\$)	Percent Change from 1998 to 2000 (%)	2000 National Comparison (%)
350 Carburetors, Pistons, Rings, Valves	0.000	0	0.000	0	0.00	0.00%
351 Fluid Power Cylinders & Actuators	0.000	0	0.000	0	0.00	0.00%
352 Fluid Power Pumps & Motors	0.000	0	0.000	0	0.00	0.00%
353 Scales and Balances	0.000	0	0.000	0	0.00	0.00%
354 Industrial Machines N.E.C.	24.858	24,858	23.000	23,000	-7.47	54.08%
355 Transformers	0.000	0	0.000	0	0.00	0.00%
356 Switchgear and Switchboard Apparatus	0.000	0	0.000	0	0.00	0.00%
357 Motors and Generators	0.000	0	0.000	0	0.00	0.00%
358 Carbon and Graphite Products	0.000	0	0.000	0	0.00	0.00%
359 Relays & Industrial Controls	0.000	0	0.000	0	0.00	0.00%
360 Electrical Industrial Apparatus, N.E.C.	0.000	0	0.000	0	0.00	0.00%
361 Household Cooking Equipment	0.000	0	0.000	0	0.00	0.00%
362 Household Refrigerators and Freezers	0.000	0	0.000	0	0.00	0.00%
363 Household Laundry Equipment	0.000	0	0.000	0	0.00	0.00%
364 Electric Housewares and Fans	0.000	0	0.000	0	0.00	0.00%
365 Household Vacuum Cleaners	0.000	0	0.000	0	0.00	0.00%
366 Household Appliances, N.E.C.	0.000	0	0.000	0	0.00	0.00%
367 Electric Lamps	0.000	0	0.000	0	0.00	0.00%
368 Wiring Devices	0.000	0	0.000	0	0.00	0.00%
369 Lighting Fixtures and Equipment	0.000	0	0.000	0	0.00	0.00%
370 Radio and TV Receiving Sets	0.000	0	0.000	0	0.00	0.00%
371 Phonograph Records and Tape	0.000	0	0.000	0	0.00	0.00%
372 Telephone and Telegraph Apparatus	0.000	0	0.000	0	0.00	0.00%
373 Radio and TV Communication Equipment	0.000	0	0.000	0	0.00	0.00%
374 Communications Equipment N.E.C.	0.000	0	0.000	0	0.00	0.00%
375 Electron Tubes	0.000	0	0.000	0	0.00	0.00%
376 Printed Circuit Boards	0.000	0	0.000	0	0.00	0.00%
377 Semiconductors and Related Devices	0.000	0	0.000	0	0.00	0.00%
378 Electronic Components, N.E.C.	0.000	0	0.000	0	0.00	0.00%
379 Storage Batteries	0.000	0	0.000	0	0.00	0.00%
380 Primary Batteries, Dry and Wet	0.000	0	0.000	0	0.00	0.00%
381 Engine Electrical Equipment	0.000	0	0.000	0	0.00	0.00%

Table 6. Continued.

	Sector	1998 Real Employee Compensation (\$1,000)	1998 Real Employee Compensation per Job (\$)	2000 Real Employee Compensation (\$1,000)	2000 Real Employee Compensation per Job (\$)	Percent Change from 1998 to 2000 (%)	2000 National Comparison (%)
382	Magnetic & Optical Recording Media	0.000	0	0.000	0	0.00	0.00%
383	Electrical Equipment, N.E.C.	0.000	0	0.000	0	0.00	0.00%
384	Motor Vehicles	0.000	0	0.000	0	0.00	0.00%
385	Truck and Bus Bodies	0.000	0	0.000	0	0.00	0.00%
386	Motor Vehicle Parts and Accessories	0.000	0	0.000	0	0.00	0.00%
387	Truck Trailers	0.000	0	0.000	0	0.00	0.00%
388	Motor Homes	0.000	0	0.000	0	0.00	0.00%
389	Aircraft	0.000	0	0.000	0	0.00	0.00%
390	Aircraft and Missile Engines and Parts	0.000	0	0.000	0	0.00	0.00%
391	Aircraft and Missile Equipment,	0.000	0	0.000	0	0.00	0.00%
392	Ship Building and Repairing	0.000	0	0.000	0	0.00	0.00%
393	Boat Building and Repairing	0.000	0	0.000	0	0.00	0.00%
394	Railroad Equipment	15.536	15,536	0.000	0	-100.00	0.00%
395	Motorcycles, Bicycles, and Parts	0.000	0	0.000	0	0.00	0.00%
396	Complete Guided Missiles	0.000	0	0.000	0	0.00	0.00%
397	Travel Trailers and Camper	0.000	0	0.000	0	0.00	0.00%
398	Tanks and Tank Components	0.000	0	0.000	0	0.00	0.00%
399	Transportation Equipment, N.E.C	0.000	0	0.000	0	0.00	0.00%
400	Search & Navigation Equipment	0.000	0	0.000	0	0.00	0.00%
401	Laboratory Apparatus & Furniture	0.000	0	0.000	0	0.00	0.00%
402	Automatic Temperature Controls	0.000	0	0.000	0	0.00	0.00%
403	Mechanical Measuring Devices	0.000	0	0.000	0	0.00	0.00%
404	Instruments To Measure Electricity	0.000	0	0.000	0	0.00	0.00%
405	Analytical Instruments	0.000	0	0.000	0	0.00	0.00%
406	Optical Instruments & Lenses	0.000	0	0.000	0	0.00	0.00%
407	Surgical and Medical Instrument	0.000	0	0.000	0	0.00	0.00%
408	Surgical Appliances and Supplies	0.000	0	0.000	0	0.00	0.00%
409	Dental Equipment and Supplies	0.000	0	0.000	0	0.00	0.00%
410	X-Ray Apparatus	0.000	0	0.000	0	0.00	0.00%
411	Electromedical Apparatus	0.000	0	0.000	0	0.00	0.00%
412	Ophthalmic Goods	0.000	0	0.000	0	0.00	0.00%
413	Photographic Equipment and Supplies	0.000	0	0.000	0	0.00	0.00%

Table 6. Continued.

Sector	1998 Real Employee Compensation (\$1,000)	1998 Real Employee Compensation per Job (\$)	2000 Real Employee Compensation (\$1,000)	2000 Real Employee Compensation per Job (\$)	Percent Change from 1998 to 2000 (%)	2000 National Comparison (%)
414 Watches, Clocks, and Parts	0.000	0	0.000	0	0.00	0.00%
415 Jewelry, Precious Metal	0.000	0	0.000	0	0.00	0.00%
416 Silverware and Plated Ware	0.000	0	0.000	0	0.00	0.00%
417 Jewelers Materials and Lapidary Work	0.000	0	0.000	0	0.00	0.00%
418 Musical Instruments	0.000	0	0.000	0	0.00	0.00%
419 Dolls	0.000	0	0.000	0	0.00	0.00%
420 Games, Toys, and Children's Vehicles	0.000	0	0.000	0	0.00	0.00%
421 Sporting and Athletic Goods, N.E.C.	0.000	0	0.000	0	0.00	0.00%
422 Pens and Mechanical Pencils	0.000	0	0.000	0	0.00	0.00%
423 Lead Pencils and Art Goods	0.000	0	0.000	0	0.00	0.00%
424 Marking Devices	0.000	0	0.000	0	0.00	0.00%
425 Carbon Paper and Inked Ribbons	0.000	0	0.000	0	0.00	0.00%
426 Costume Jewelry	0.000	0	0.000	0	0.00	0.00%
427 Fasteners, Buttons, Needles, Pins	0.000	0	0.000	0	0.00	0.00%
428 Brooms and Brushes	0.000	0	0.000	0	0.00	0.00%
429 Signs and Advertising Displays	0.000	0	0.000	0	0.00	0.00%
430 Burial Caskets and Vaults	0.000	0	0.000	0	0.00	0.00%
431 Hard Surface Floor Coverings	0.000	0	0.000	0	0.00	0.00%
432 Manufacturing Industries, N.E.C.	32.108	32,108	0.000	0	-100.00	0.00%
433 Railroads and Related Services	71.467	71,467	101.000	101,000	41.32	128.01%
434 Local, Interurban Passenger Transit	1.036	0	7.000	0	0.00	0.00%
435 Motor Freight Transport and Warehousing	253.760	23,069	204.000	18,545	-19.61	64.78%
436 Water Transportation	0.000	0	0.000	0	0.00	0.00%
437 Air Transportation	0.000	0	0.000	0	0.00	0.00%
438 Pipe Lines, Except Natural Gas	0.000	0	0.000	0	0.00	0.00%
439 Arrangement Of Passenger Transportation	0.000	0	0.000	0	0.00	0.00%
440 Transportation Services	2.072	0	6.000	0	0.00	0.00%
441 Communications, Except Radio and TV	0.000	0	0.000	0	0.00	0.00%
442 Radio and TV Broadcasting	0.000	0	0.000	0	0.00	0.00%
443 Electric Services	158.471	52,824	106.000	35,333	-33.11	46.05%
444 Gas Production and Distribution	0.000	0	0.000	0	0.00	0.00%
445 Water Supply and Sewerage Systems	0.000	0	0.000	0	0.00	0.00%

Table 6. Continued.

	Sector	1998 Real Employee Compensation (\$1,000)	1998 Real Employee Compensation per Job (\$)	2000 Real Employee Compensation (\$1,000)	2000 Real Employee Compensation per Job (\$)	Percent Change from 1998 to 2000 (%)	2000 National Comparison (%)
446	Sanitary Services and Steam Supply	6.215	0	3.000	0	0.00	0.00%
447	Wholesale Trade	506.485	33,766	332.000	22,133	-34.45	43.37%
448	Building Materials & Gardening	0.000	0	0.000	0	0.00	0.00%
449	General Merchandise Stores	0.000	0	0.000	0	0.00	0.00%
450	Food Stores	59.038	19,679	65.000	21,667	10.10	101.87%
451	Automotive Dealers & Service Stations	0.000	0	0.000	0	0.00	0.00%
452	Apparel & Accessory Stores	16.572	8,286	28.000	14,000	68.96	79.37%
453	Furniture & Home Furnishings Stores	0.000	0	0.000	0	0.00	0.00%
454	Eating & Drinking	29.001	14,501	23.000	11,500	-20.69	83.36%
455	Miscellaneous Retail	191.615	15,968	127.000	10,583	-33.72	66.04%
456	Banking	0.000	0	0.000	0	0.00	0.00%
457	Credit Agencies	51.788	17,263	50.000	16,667	-3.45	61.58%
458	Security and Commodity Brokers	1.036	0	1.000	0	0.00	0.00%
459	Insurance Carriers	0.000	0	0.000	0	0.00	0.00%
460	Insurance Agents and Brokers	0.000	0	0.000	0	0.00	0.00%
461	Owner-occupied Dwellings	0.000	0	0.000	0	0.00	0.00%
462	Real Estate	16.572	8,286	11.000	5,500	-33.62	40.38%
463	Hotels and Lodging Places	224.759	17,289	254.000	19,538	13.01	82.67%
464	Laundry, Cleaning and Shoe Repair	0.000	0	0.000	0	0.00	0.00%
465	Portrait and Photographic Studios	0.000	0	0.000	0	0.00	0.00%
466	Beauty and Barber Shops	0.000	0	0.000	0	0.00	0.00%
467	Funeral Service and Crematories	0.000	0	0.000	0	0.00	0.00%
468	Miscellaneous Personal Services	0.000	0	0.000	0	0.00	0.00%
469	Advertising	0.000	0	0.000	0	0.00	0.00%
470	Other Business Services	0.000	0	0.000	0	0.00	0.00%
471	Photofinishing, Commercial Photography	0.000	0	0.000	0	0.00	0.00%
472	Services To Buildings	0.000	0	0.000	0	0.00	0.00%
473	Equipment Rental and Leasing	0.000	0	0.000	0	0.00	0.00%
474	Personnel Supply Services	0.000	0	0.000	0	0.00	0.00%
475	Computer and Data Processing Services	0.000	0	0.000	0	0.00	0.00%
476	Detective and Protective Services	0.000	0	0.000	0	0.00	0.00%
477	Automobile Rental and Leasing	0.000	0	0.000	0	0.00	0.00%

Table 6. Continued.

Sector	1998 Real Employee Compensation (\$1,000)	1998 Real Employee Compensation per Job (\$)	2000 Real Employee Compensation (\$1,000)	2000 Real Employee Compensation per Job (\$)	Percent Change from 1998 to 2000 (%)	2000 National Comparison (%)
478 Automobile Parking and Car Wash	0.000	0	2.000	0	0.00	0.00%
479 Automobile Repair and Services	0.000	0	0.000	0	0.00	0.00%
480 Electrical Repair Service	0.000	0	0.000	0	0.00	0.00%
481 Watch, Clock, Jewelry and Furniture Repair	0.000	0	0.000	0	0.00	0.00%
482 Miscellaneous Repair Shops	0.000	0	0.000	0	0.00	0.00%
483 Motion Pictures	0.000	0	0.000	0	0.00	0.00%
484 Theatrical Producers, Bands Etc.	0.000	0	0.000	0	0.00	0.00%
485 Bowling Alleys and Pool Halls	0.000	0	0.000	0	0.00	0.00%
486 Commercial Sports Except Racing	0.000	0	0.000	0	0.00	0.00%
487 Racing and Track Operation	0.000	0	0.000	0	0.00	0.00%
488 Amusement and Recreation Services, N.E.C.	0.000	0	3.000	0	0.00	0.00%
489 Membership Sports and Recreation Clubs	0.000	0	0.000	0	0.00	0.00%
490 Doctors and Dentists	0.000	0	0.000	0	0.00	0.00%
491 Nursing and Protective Care	0.000	0	0.000	0	0.00	0.00%
492 Hospitals	0.000	0	0.000	0	0.00	0.00%
493 Other Medical and Health Services	0.000	0	0.000	0	0.00	0.00%
494 Legal Services	0.000	0	0.000	0	0.00	0.00%
495 Elementary and Secondary Schools	0.000	0	0.000	0	0.00	0.00%
496 Colleges, Universities, Schools	0.000	0	0.000	0	0.00	0.00%
497 Other Educational Services	0.000	0	0.000	0	0.00	0.00%
498 Job Trainings & Related Services	0.000	0	0.000	0	0.00	0.00%
499 Child Day Care Services	0.000	0	0.000	0	0.00	0.00%
500 Social Services, N.E.C.	32.108	16,054	49.000	24,500	52.61	98.30%
501 Residential Care	0.000	0	0.000	0	0.00	0.00%
502 Other Nonprofit Organizations	0.000	0	0.000	0	0.00	0.00%
503 Business Associations	0.000	0	0.000	0	0.00	0.00%
504 Labor and Civic Organizations	0.000	0	0.000	0	0.00	0.00%
505 Religious Organizations	0.000	0	0.000	0	0.00	0.00%
506 Engineering, Architectural Services	0.000	0	0.000	0	0.00	0.00%
507 Accounting, Auditing and Bookkeeping	0.000	0	0.000	0	0.00	0.00%
508 Management and Consulting Services	0.000	0	0.000	0	0.00	0.00%
509 Research, Development & Testing Services	0.000	0	2.000	0	0.00	0.00%

Table 6. Continued.

Sector	1998 Real Employee Compensation (\$1,000)	1998 Real Employee Compensation per Job (\$)	2000 Real Employee Compensation (\$1,000)	2000 Real Employee Compensation per Job (\$)	Percent Change from 1998 to 2000 (%)	2000 National Comparison (%)
510 Local Government Passenger Transit	0.000	0	0.000	0	0.00	0.00%
511 State and Local Electric Utilities	0.000	0	0.000	0	0.00	0.00%
512 Other State and Local Govt Enterprises	69.396	34,698	74.000	37,000	6.63	78.74%
513 U.S. Postal Service	81.825	40,912	87.000	43,500	6.32	68.73%
514 Federal Electric Utilities	0.000	0	0.000	0	0.00	0.00%
515 Other Federal Government Enterprises	0.000	0	0.000	0	0.00	0.00%
516 Noncomparable Imports	0.000	0	0.000	0	0.00	0.00%
517 Scrap	0.000	0	0.000	0	0.00	0.00%
518 Used and Secondhand Goods	0.000	0	0.000	0	0.00	0.00%
519 Federal Government - Military	22.787	22,787	25.000	25,000	9.71	56.77%
520 Federal Government - Non-Military	633.883	37,287	806.000	47,412	27.15	96.49%
521 Commodity Credit Corporation	0.000	0	0.000	0	0.00	0.00%
522 State & Local Government - Education	1,568.134	44,804	1,843.000	52,657	17.53	137.03%
523 State & Local Government - Non-Education	1,388.949	39,684	1,623.000	46,371	16.85	112.99%
524 Rest Of The World Industry	0.000	0	0.000	0	0.00	0.00%
525 Domestic Services	12.429	6,215	13.000	6,500	4.59	57.50%
526 Dummy	0.000	0	0.000	0	0.00	0.00%
527 Dummy	0.000	0	0.000	0	0.00	0.00%
528 Inventory Valuation Adjustment	0.000	0	0.000	0	0.00	0.00%
Total	6,716.876	28,828	6,897.000	29,987		

Table 7. Sectoral Location Quotient Values and Percentage Change in Location Quotient Values for the Rest of White Pine County Study Area, 1998 to 2000.

	Sector	Location Quotient 1998	Location Quotient 2000	Percentage Change in Location Quotient (%)
1	Dairy Farm Products	4.63	5.78	24.79
2	Poultry and Eggs	0.00	0.00	0.00
3	Ranch Fed Cattle	3.23	5.83	80.38
4	Range Fed Cattle	57.65	60.52	4.99
5	Cattle Feedlots	15.29	14.05	-8.10
6	Sheep, Lambs and Goats	94.70	112.48	18.77
7	Hogs, Pigs and Swine	0.00	0.00	0.00
8	Other Meat Animal Products	0.00	0.00	0.00
9	Miscellaneous Livestock	5.42	5.60	3.35
10	Cotton	0.00	0.00	0.00
11	Food Grains	0.00	0.00	0.00
12	Feed Grains	0.00	0.00	0.00
13	Hay and Pasture	29.62	28.89	-2.48
14	Grass Seeds	0.00	0.00	0.00
15	Tobacco	0.00	0.00	0.00
16	Fruits	0.00	0.00	0.00
17	Tree Nuts	0.00	0.00	0.00
18	Vegetables	0.00	0.00	0.00
19	Sugar Crops	0.00	0.00	0.00
20	Miscellaneous Crops	0.00	0.00	0.00
21	Oil Bearing Crops	0.00	0.00	0.00
22	Forest Products	0.00	0.00	0.00
23	Greenhouse and Nursery Products	0.00	0.00	0.00
24	Forestry Products	0.00	0.00	0.00
25	Commercial Fishing	9.56	6.61	-30.89
26	Agricultural, Forestry, Fishery Services	0.00	0.00	0.00
27	Landscape and Horticultural Services	0.00	0.00	0.00
28	Iron Ores	0.00	0.00	0.00
29	Copper Ores	0.00	0.00	0.00
30	Lead and Zinc Ores	0.00	0.00	0.00
31	Gold Ores	0.00	0.00	0.00
32	Silver Ores	0.00	0.00	0.00
33	Ferroalloy Ores, Except Vanadium	0.00	0.00	0.00
34	Metal Mining Services	0.00	0.00	0.00
35	Uranium-radium-vanadium Ores	0.00	0.00	0.00
36	Metal Ores, Not Elsewhere Classified	0.00	0.00	0.00
37	Coal Mining	0.00	0.00	0.00
38	Natural Gas & Crude Petroleum	0.00	0.00	0.00
39	Natural Gas Liquids	0.00	0.00	0.00
40	Dimension Stone	0.00	0.00	0.00
41	Sand and Gravel	0.00	0.00	0.00
42	Clay, Ceramic, Refractory Minerals, N.E.C.	0.00	0.00	0.00
43	Potash, Soda, and Borate Minerals	0.00	0.00	0.00
44	Phosphate Rock	0.00	0.00	0.00
45	Chemical, Fertilizer Mineral Mining, N.E.C.	0.00	0.00	0.00
46	Nonmetallic Minerals (Except Fuels) Service	0.00	0.00	0.00
47	Misc. Nonmetallic Minerals, N.E.C.	0.00	0.00	0.00
48	New Residential Structures	0.00	0.00	0.00

Table 7. Continued.

	Sector	Location Quotient 1998	Location Quotient 2000	Percentage Change in Location Quotient (%)
49	New Industrial and Commercial Buildings	0.85	0.83	-2.80
50	New Utility Structures	1.54	1.50	-2.80
51	New Highways and Streets	1.66	1.61	-2.80
52	New Farm Structures	0.00	0.00	0.00
53	New Mineral Extraction Facilities	1.65	1.80	9.27
54	New Government Facilities	0.66	0.64	-2.80
55	Maintenance and Repair, Residential	1.38	1.34	-2.80
56	Maintenance and Repair Other Facilities	0.67	0.65	-2.80
57	Maintenance and Repair Oil and Gas Wells	0.00	0.00	0.00
58	Meat Packing Plants	0.00	0.00	0.00
59	Sausages and Other Prepared Meats	0.00	0.00	0.00
60	Poultry Processing	0.00	0.00	0.00
61	Creamery Butter	0.00	0.00	0.00
62	Cheese, Natural and Processed	0.00	0.00	0.00
63	Condensed and Evaporated Milk	0.00	0.00	0.00
64	Ice Cream and Frozen Desserts	0.00	0.00	0.00
65	Fluid Milk	0.00	0.00	0.00
66	Canned Specialties	0.00	0.00	0.00
67	Canned Fruits and Vegetables	0.00	0.00	0.00
68	Dehydrated Food Products	0.00	0.00	0.00
69	Pickles, Sauces, and Salad Dressings	0.00	0.00	0.00
70	Frozen Fruits, Juices and Vegetables	0.00	0.00	0.00
71	Frozen Specialties	0.00	0.00	0.00
72	Flour and Other Grain Mill Products	0.00	0.00	0.00
73	Cereal Preparations	0.00	0.00	0.00
74	Rice Milling	0.00	0.00	0.00
75	Blended and Prepared Flour	0.00	0.00	0.00
76	Wet Corn Milling	0.00	0.00	0.00
77	Dog, Cat, and Other Pet Food	0.00	0.00	0.00
78	Prepared Feeds, N.E.C	0.00	0.00	0.00
79	Bread, Cake, and Related Products	0.00	0.00	0.00
80	Cookies and Crackers	0.00	0.00	0.00
81	Sugar	0.00	0.00	0.00
82	Confectionery Products	0.00	0.00	0.00
83	Chocolate and Cocoa Products	0.00	0.00	0.00
84	Chewing Gum	0.00	0.00	0.00
85	Salted and Roasted Nuts & Seeds	0.00	0.00	0.00
86	Cottonseed Oil Mills	0.00	0.00	0.00
87	Soybean Oil Mills	0.00	0.00	0.00
88	Vegetable Oil Mills, N.E.C	0.00	0.00	0.00
89	Animal and Marine Fats and Oils	0.00	0.00	0.00
90	Shortening and Cooking Oils	0.00	0.00	0.00
91	Malt Beverages	0.00	0.00	0.00
92	Malt	0.00	0.00	0.00
93	Wines, Brandy, and Brandy Spirits	0.00	0.00	0.00
94	Distilled Liquor, Except Brandy	0.00	0.00	0.00
95	Bottled and Canned Soft Drinks & Water	0.00	0.00	0.00
96	Flavoring Extracts and Syrups, N.E.C.	0.00	0.00	0.00
97	Canned and Cured Sea Foods	0.00	0.00	0.00
98	Prepared Fresh Or Frozen Fish Or Seafood	0.00	0.00	0.00

Table 7. Continued.

	Sector	Location Quotient 1998	Location Quotient 2000	Percentage Change in Location Quotient (%)
99	Roasted Coffee	0.00	0.00	0.00
100	Potato Chips & Similar Snacks	0.00	0.00	0.00
101	Manufactured Ice	0.00	0.00	0.00
102	Macaroni and Spaghetti	0.00	0.00	0.00
103	Food Preparations, N.E.C	0.00	0.00	0.00
104	Cigarettes	0.00	0.00	0.00
105	Cigars	0.00	0.00	0.00
106	Chewing and Smoking Tobacco	0.00	0.00	0.00
107	Tobacco Stemming and Redrying	0.00	0.00	0.00
108	Broadwoven Fabric Mills and Finishing	0.00	0.00	0.00
109	Narrow Fabric Mills	0.00	0.00	0.00
110	Women's Hosiery, Except Socks	0.00	0.00	0.00
111	Hosiery, N.E.C	0.00	0.00	0.00
112	Knit Outerwear Mills	0.00	0.00	0.00
113	Knit Underwear Mills	0.00	0.00	0.00
114	Knit Fabric Mills	0.00	0.00	0.00
115	Knitting Mills, N.E.C.	0.00	0.00	0.00
116	Yarn Mills and Finishing Of Textiles, N.E.C.	0.00	0.00	0.00
117	Carpets and Rugs	0.00	0.00	0.00
118	Thread Mills	0.00	0.00	0.00
119	Coated Fabrics, Not Rubberized	0.00	0.00	0.00
120	Tire Cord and Fabric	0.00	0.00	0.00
121	Nonwoven Fabrics	0.00	0.00	0.00
122	Cordage and Twine	0.00	0.00	0.00
123	Textile Goods, N.E.C	0.00	0.00	0.00
124	Apparel Made From Purchased Materials	0.00	0.00	0.00
125	Curtains and Draperies	0.00	0.00	0.00
126	Housefurnishings, N.E.C	0.00	0.00	0.00
127	Textile Bags	0.00	0.00	0.00
128	Canvas Products	0.00	0.00	0.00
129	Pleating and Stitching	0.00	0.00	0.00
130	Automotive and Apparel Trimmings	10.71	0.00	-100.00
131	Schiffi Machine Embroideries	0.00	0.00	0.00
132	Fabricated Textile Products, N.E.C.	0.00	0.00	0.00
133	Logging Camps and Logging Contractors	15.01	0.00	-100.00
134	Sawmills and Planing Mills, General	0.00	0.00	0.00
135	Hardwood Dimension and Flooring Mills	0.00	0.00	0.00
136	Special Product Sawmills, N.E.C	0.00	0.00	0.00
137	Millwork	0.00	0.00	0.00
138	Wood Kitchen Cabinets	0.00	0.00	0.00
139	Veneer and Plywood	0.00	0.00	0.00
140	Structural Wood Members, N.E.C	0.00	0.00	0.00
141	Wood Containers	0.00	0.00	0.00
142	Wood Pallets and Skids	0.00	0.00	0.00
143	Mobile Homes	0.00	0.00	0.00
144	Prefabricated Wood Buildings	0.00	0.00	0.00
145	Wood Preserving	0.00	0.00	0.00
146	Reconstituted Wood Products	0.00	0.00	0.00
147	Wood Products, N.E.C	0.00	0.00	0.00
148	Wood Household Furniture	0.00	0.00	0.00

Table 7. Continued.

	Sector	Location Quotient 1998	Location Quotient 2000	Percentage Change in Location Quotient (%)
149	Upholstered Household Furniture	0.00	0.00	0.00
150	Metal Household Furniture	0.00	0.00	0.00
151	Mattresses and Bedsprings	0.00	0.00	0.00
152	Wood TV and Radio Cabinets	0.00	0.00	0.00
153	Household Furniture, N.E.C	0.00	0.00	0.00
154	Wood Office Furniture	0.00	0.00	0.00
155	Metal Office Furniture	0.00	0.00	0.00
156	Public Building Furniture	0.00	0.00	0.00
157	Wood Partitions and Fixtures	0.00	0.00	0.00
158	Metal Partitions and Fixtures	0.00	0.00	0.00
159	Blinds, Shades, and Drapery Hardware	0.00	0.00	0.00
160	Furniture and Fixtures, N.E.C	0.00	0.00	0.00
161	Pulp Mills	0.00	0.00	0.00
162	Paper Mills, Except Building Paper	0.00	0.00	0.00
163	Paperboard Mills	0.00	0.00	0.00
164	Paperboard Containers and Boxes	0.00	0.00	0.00
165	Paper Coated & Laminated Packaging	0.00	0.00	0.00
166	Paper Coated & Laminated N.E.C.	0.00	0.00	0.00
167	Bags, Plastic	0.00	0.00	0.00
168	Bags, Paper	0.00	0.00	0.00
169	Die-cut Paper and Board	0.00	0.00	0.00
170	Sanitary Paper Products	0.00	0.00	0.00
171	Envelopes	0.00	0.00	0.00
172	Stationery Products	0.00	0.00	0.00
173	Converted Paper Products, N.E.C	0.00	0.00	0.00
174	Newspapers	1.42	1.55	8.68
175	Periodicals	0.00	0.00	0.00
176	Book Publishing	0.00	0.00	0.00
177	Book Printing	0.00	0.00	0.00
178	Miscellaneous Publishing	0.00	0.00	0.00
179	Commercial Printing	1.08	1.22	12.84
180	Manifold Business Forms	0.00	0.00	0.00
181	Greeting Card Publishing	0.00	0.00	0.00
182	Blankbooks and Looseleaf Binder	0.00	0.00	0.00
183	Bookbinding & Related	0.00	0.00	0.00
184	Typesetting	0.00	0.00	0.00
185	Plate Making	0.00	0.00	0.00
186	Alkalies & Chlorine	0.00	0.00	0.00
187	Industrial Gases	0.00	0.00	0.00
188	Inorganic Pigments	0.00	0.00	0.00
189	Inorganic Chemicals Nec.	0.00	0.00	0.00
190	Cyclic Crudes, Interm. & Indus. Organic Chem.	0.00	0.00	0.00
191	Plastics Materials and Resins	0.00	0.00	0.00
192	Synthetic Rubber	0.00	0.00	0.00
193	Cellulosic Man-made Fibers	0.00	0.00	0.00
194	Organic Fibers, Noncellulosic	0.00	0.00	0.00
195	Drugs	0.00	0.00	0.00
196	Soap and Other Detergents	0.00	0.00	0.00
197	Polishes and Sanitation Goods	0.00	0.00	0.00
198	Surface Active Agents	0.00	0.00	0.00

Table 7. Continued.

	Sector	Location Quotient 1998	Location Quotient 2000	Percentage Change in Location Quotient (%)
199	Toilet Preparations	0.00	9.58	0.00
200	Paints and Allied Products	0.00	0.00	0.00
201	Gum and Wood Chemicals	0.00	0.00	0.00
202	Nitrogenous and Phosphatic Fertilizers	0.00	0.00	0.00
203	Fertilizers, Mixing Only	0.00	0.00	0.00
204	Agricultural Chemicals, N.E.C	0.00	0.00	0.00
205	Adhesives and Sealants	0.00	0.00	0.00
206	Explosives	0.00	0.00	0.00
207	Printing Ink	0.00	0.00	0.00
208	Carbon Black	0.00	0.00	0.00
209	Chemical Preparations, N.E.C	0.00	0.00	0.00
210	Petroleum Refining	0.00	0.00	0.00
211	Paving Mixtures and Blocks	0.00	0.00	0.00
212	Asphalt Felts and Coatings	0.00	0.00	0.00
213	Lubricating Oils and Greases	0.00	0.00	0.00
214	Petroleum and Coal Products, N.E.C.	0.00	0.00	0.00
215	Tires and Inner Tubes	0.00	0.00	0.00
216	Rubber and Plastics Footwear	0.00	0.00	0.00
217	Rubber and Plastics Hose and Belting	0.00	0.00	0.00
218	Gaskets, Packing and Sealing Devices	0.00	0.00	0.00
219	Fabricated Rubber Products, N.E.C.	0.00	0.00	0.00
220	Miscellaneous Plastics Products	0.00	0.00	0.00
221	Leather Tanning and Finishing	0.00	0.00	0.00
222	Footwear Cut Stock	0.00	0.00	0.00
223	House Slippers	0.00	0.00	0.00
224	Shoes, Except Rubber	0.00	0.00	0.00
225	Leather Gloves and Mittens	0.00	0.00	0.00
226	Luggage	0.00	0.00	0.00
227	Women's Handbags and Purses	0.00	0.00	0.00
228	Personal Leather Goods	0.00	0.00	0.00
229	Leather Goods, N.E.C	0.00	0.00	0.00
230	Glass and Glass Products, Exc Containers	0.00	0.00	0.00
231	Glass Containers	0.00	0.00	0.00
232	Cement, Hydraulic	0.00	0.00	0.00
233	Brick and Structural Clay Tile	0.00	0.00	0.00
234	Ceramic Wall and Floor Tile	0.00	0.00	0.00
235	Clay Refractories	0.00	0.00	0.00
236	Structural Clay Products, N.E.C	0.00	0.00	0.00
237	Vitreous Plumbing Fixtures	0.00	0.00	0.00
238	Vitreous China Food Utensils	0.00	0.00	0.00
239	Fine Earthenware Food Utensils	0.00	0.00	0.00
240	Porcelain Electrical Supplies	0.00	0.00	0.00
241	Pottery Products, N.E.C	0.00	0.00	0.00
242	Concrete Block and Brick	0.00	0.00	0.00
243	Concrete Products, N.E.C	0.00	0.00	0.00
244	Ready-mixed Concrete	0.00	5.75	0.00
245	Lime	0.00	0.00	0.00
246	Gypsum Products	0.00	0.00	0.00
247	Cut Stone and Stone Products	0.00	0.00	0.00
248	Abrasive Products	0.00	0.00	0.00

Table 7. Continued.

	Sector	Location Quotient 1998	Location Quotient 2000	Percentage Change in Location Quotient (%)
249	Asbestos Products	0.00	0.00	0.00
250	Minerals, Ground Or Treated	0.00	0.00	0.00
251	Mineral Wool	0.00	0.00	0.00
252	Nonclay Refractories	0.00	0.00	0.00
253	Nonmetallic Mineral Products, N.E.C.	0.00	0.00	0.00
254	Blast Furnaces and Steel Mills	0.00	0.00	0.00
255	Electrometallurgical Products	0.00	0.00	0.00
256	Steel Wire and Related Products	0.00	0.00	0.00
257	Cold Finishing Of Steel Shapes	0.00	0.00	0.00
258	Steel Pipe and Tubes	0.00	0.00	0.00
259	Iron and Steel Foundries	0.00	0.00	0.00
260	Primary Copper	0.00	0.00	0.00
261	Primary Aluminum	0.00	0.00	0.00
262	Primary Nonferrous Metals, N.E.C.	0.00	0.00	0.00
263	Secondary Nonferrous Metals	0.00	0.00	0.00
264	Copper Rolling and Drawing	0.00	0.00	0.00
265	Aluminum Rolling and Drawing	0.00	0.00	0.00
266	Nonferrous Rolling and Drawing, N.E.C.	0.00	0.00	0.00
267	Nonferrous Wire Drawing and Insulating	0.00	0.00	0.00
268	Aluminum Foundries	0.00	0.00	0.00
269	Brass, Bronze, and Copper Foundries	0.00	0.00	0.00
270	Nonferrous Castings, N.E.C.	0.00	0.00	0.00
271	Metal Heat Treating	0.00	0.00	0.00
272	Primary Metal Products, N.E.C.	0.00	0.00	0.00
273	Metal Cans	0.00	0.00	0.00
274	Metal Barrels, Drums and Pails	0.00	0.00	0.00
275	Cutlery	0.00	0.00	0.00
276	Hand and Edge Tools, N.E.C.	0.00	0.00	0.00
277	Hand Saws and Saw Blades	0.00	0.00	0.00
278	Hardware, N.E.C.	0.00	0.00	0.00
279	Metal Sanitary Ware	0.00	0.00	0.00
280	Plumbing Fixture Fittings and Trim	0.00	0.00	0.00
281	Heating Equipment, Except Electric	0.00	0.00	0.00
282	Fabricated Structural Metal	0.00	0.00	0.00
283	Metal Doors, Sash, and Trim	0.00	0.00	0.00
284	Fabricated Plate Work (Boiler Shops)	0.00	0.00	0.00
285	Sheet Metal Work	0.00	0.00	0.00
286	Architectural Metal Work	0.00	0.00	0.00
287	Prefabricated Metal Buildings	0.00	0.00	0.00
288	Miscellaneous Metal Work	0.00	0.00	0.00
289	Screw Machine Products and Bolts, Etc.	0.00	0.00	0.00
290	Iron and Steel Forgings	0.00	0.00	0.00
291	Nonferrous Forgings	0.00	0.00	0.00
292	Automotive Stampings	0.00	0.00	0.00
293	Crowns and Closures	0.00	0.00	0.00
294	Metal Stampings, N.E.C.	0.00	0.00	0.00
295	Plating and Polishing	0.00	0.00	0.00
296	Metal Coating and Allied Services	0.00	0.00	0.00
297	Small Arms Ammunition	0.00	0.00	0.00
298	Ammunition, Except For Small Arms, N.E.C.	0.00	0.00	0.00

Table 7. Continued.

	Sector	Location Quotient 1998	Location Quotient 2000	Percentage Change in Location Quotient (%)
299	Small Arms	0.00	0.00	0.00
300	Other Ordnance and Accessories	0.00	0.00	0.00
301	Industrial and Fluid Valves	0.00	0.00	0.00
302	Steel Springs, Except Wire	0.00	0.00	0.00
303	Pipe, Valves, and Pipe Fittings	0.00	0.00	0.00
304	Miscellaneous Fabricated Wire Products	0.00	0.00	0.00
305	Metal Foil and Leaf	0.00	0.00	0.00
306	Fabricated Metal Products, N.E.C.	0.00	0.00	0.00
307	Steam Engines and Turbines	0.00	0.00	0.00
308	Internal Combustion Engines, N.E.C.	0.00	0.00	0.00
309	Farm Machinery and Equipment	0.00	0.00	0.00
310	Lawn and Garden Equipment	0.00	0.00	0.00
311	Construction Machinery and Equipment	0.00	0.00	0.00
312	Mining Machinery, Except Oil Field	0.00	0.00	0.00
313	Oil Field Machinery	0.00	0.00	0.00
314	Elevators and Moving Stairways	0.00	0.00	0.00
315	Conveyors and Conveying Equipment	0.00	0.00	0.00
316	Hoists, Cranes, and Monorails	0.00	0.00	0.00
317	Industrial Trucks and Tractors	0.00	0.00	0.00
318	Machine Tools, Metal Cutting Types	0.00	0.00	0.00
319	Machine Tools, Metal Forming Types	0.00	0.00	0.00
320	Industrial Patterns	0.00	0.00	0.00
321	Special Dies and Tools and Accessories	0.00	0.00	0.00
322	Power Driven Hand Tools	0.00	0.00	0.00
323	Rolling Mill Machinery	0.00	0.00	0.00
324	Welding Apparatus	0.00	0.00	0.00
325	Metalworking Machinery, N.E.C.	0.00	0.00	0.00
326	Textile Machinery	0.00	0.00	0.00
327	Woodworking Machinery	0.00	0.00	0.00
328	Paper Industries Machinery	0.00	0.00	0.00
329	Printing Trades Machinery	0.00	0.00	0.00
330	Food Products Machinery	0.00	0.00	0.00
331	Special Industry Machinery N.E.C.	0.00	0.00	0.00
332	Pumps and Compressors	0.00	0.00	0.00
333	Ball and Roller Bearings	0.00	0.00	0.00
334	Blowers and Fans	0.00	0.00	0.00
335	Packaging Machinery	0.00	0.00	0.00
336	Power Transmission Equipment	0.00	0.00	0.00
337	Industrial Furnaces and Ovens	0.00	0.00	0.00
338	General Industrial Machinery, N.E.C.	0.00	0.00	0.00
339	Electronic Computers	0.00	0.00	0.00
340	Computer Storage Devices	0.00	0.00	0.00
341	Computer Terminals	0.00	0.00	0.00
342	Computer Peripheral Equipment,	0.00	0.00	0.00
343	Calculating and Accounting Machines	0.00	0.00	0.00
344	Typewriters and Office Machines N.E.C.	0.00	0.00	0.00
345	Automatic Merchandising Machine	0.00	0.00	0.00
346	Commercial Laundry Equipment	0.00	0.00	0.00
347	Refrigeration and Heating Equipment	0.00	0.00	0.00
348	Measuring and Dispensing Pumps	0.00	0.00	0.00

Table 7. Continued.

	Sector	Location Quotient 1998	Location Quotient 2000	Percentage Change in Location Quotient (%)
349	Service Industry Machines, N.E.C.	0.00	0.00	0.00
350	Carburetors, Pistons, Rings, Valves	0.00	0.00	0.00
351	Fluid Power Cylinders & Actuators	0.00	0.00	0.00
352	Fluid Power Pumps & Motors	0.00	0.00	0.00
353	Scales and Balances	0.00	0.00	0.00
354	Industrial Machines N.E.C.	2.25	2.45	8.78
355	Transformers	0.00	0.00	0.00
356	Switchgear and Switchboard Apparatus	0.00	0.00	0.00
357	Motors and Generators	0.00	0.00	0.00
358	Carbon and Graphite Products	0.00	0.00	0.00
359	Relays & Industrial Controls	0.00	0.00	0.00
360	Electrical Industrial Apparatus, N.E.C.	0.00	0.00	0.00
361	Household Cooking Equipment	0.00	0.00	0.00
362	Household Refrigerators and Freezers	0.00	0.00	0.00
363	Household Laundry Equipment	0.00	0.00	0.00
364	Electric Housewares and Fans	0.00	0.00	0.00
365	Household Vacuum Cleaners	0.00	0.00	0.00
366	Household Appliances, N.E.C.	0.00	0.00	0.00
367	Electric Lamps	0.00	0.00	0.00
368	Wiring Devices	0.00	0.00	0.00
369	Lighting Fixtures and Equipment	0.00	0.00	0.00
370	Radio and TV Receiving Sets	0.00	0.00	0.00
371	Phonograph Records and Tape	0.00	0.00	0.00
372	Telephone and Telegraph Apparatus	0.00	0.00	0.00
373	Radio and TV Communication Equipment	0.00	0.00	0.00
374	Communications Equipment N.E.C.	0.00	0.00	0.00
375	Electron Tubes	0.00	0.00	0.00
376	Printed Circuit Boards	0.00	0.00	0.00
377	Semiconductors and Related Devices	0.00	0.00	0.00
378	Electronic Components, N.E.C.	0.00	0.00	0.00
379	Storage Batteries	0.00	0.00	0.00
380	Primary Batteries, Dry and Wet	0.00	0.00	0.00
381	Engine Electrical Equipment	0.00	0.00	0.00
382	Magnetic & Optical Recording Media	0.00	0.00	0.00
383	Electrical Equipment, N.E.C.	0.00	0.00	0.00
384	Motor Vehicles	0.00	0.00	0.00
385	Truck and Bus Bodies	0.00	0.00	0.00
386	Motor Vehicle Parts and Accessories	0.00	0.00	0.00
387	Truck Trailers	0.00	0.00	0.00
388	Motor Homes	0.00	0.00	0.00
389	Aircraft	0.00	0.00	0.00
390	Aircraft and Missile Engines and Parts	0.00	0.00	0.00
391	Aircraft and Missile Equipment,	0.00	0.00	0.00
392	Ship Building and Repairing	0.00	0.00	0.00
393	Boat Building and Repairing	0.00	0.00	0.00
394	Railroad Equipment	18.43	0.00	-100.00
395	Motorcycles, Bicycles, and Parts	0.00	0.00	0.00
396	Complete Guided Missiles	0.00	0.00	0.00
397	Travel Trailers and Camper	0.00	0.00	0.00
398	Tanks and Tank Components	0.00	0.00	0.00

Table 7. Continued.

	Sector	Location Quotient 1998	Location Quotient 2000	Percentage Change in Location Quotient (%)
399	Transportation Equipment, N.E.C	0.00	0.00	0.00
400	Search & Navigation Equipment	0.00	0.00	0.00
401	Laboratory Apparatus & Furniture	0.00	0.00	0.00
402	Automatic Temperature Controls	0.00	0.00	0.00
403	Mechanical Measuring Devices	0.00	0.00	0.00
404	Instruments To Measure Electricity	0.00	0.00	0.00
405	Analytical Instruments	0.00	0.00	0.00
406	Optical Instruments & Lenses	0.00	0.00	0.00
407	Surgical and Medical Instrument	0.00	0.00	0.00
408	Surgical Appliances and Supplies	0.00	0.00	0.00
409	Dental Equipment and Supplies	0.00	0.00	0.00
410	X-Ray Apparatus	0.00	0.00	0.00
411	Electromedical Apparatus	0.00	0.00	0.00
412	Ophthalmic Goods	0.00	0.00	0.00
413	Photographic Equipment and Supplies	0.00	0.00	0.00
414	Watches, Clocks, and Parts	0.00	0.00	0.00
415	Jewelry, Precious Metal	0.00	0.00	0.00
416	Silverware and Plated Ware	0.00	0.00	0.00
417	Jewelers Materials and Lapidary Work	0.00	0.00	0.00
418	Musical Instruments	0.00	0.00	0.00
419	Dolls	0.00	0.00	0.00
420	Games, Toys, and Children's Vehicles	0.00	0.00	0.00
421	Sporting and Athletic Goods, N.E.C.	0.00	0.00	0.00
422	Pens and Mechanical Pencils	0.00	0.00	0.00
423	Lead Pencils and Art Goods	0.00	0.00	0.00
424	Marking Devices	0.00	0.00	0.00
425	Carbon Paper and Inked Ribbons	0.00	0.00	0.00
426	Costume Jewelry	0.00	0.00	0.00
427	Fasteners, Buttons, Needles, Pins	0.00	0.00	0.00
428	Brooms and Brushes	0.00	0.00	0.00
429	Signs and Advertising Displays	0.00	0.00	0.00
430	Burial Caskets and Vaults	0.00	0.00	0.00
431	Hard Surface Floor Coverings	0.00	0.00	0.00
432	Manufacturing Industries, N.E.C.	8.08	0.00	-100.00
433	Railroads and Related Services	3.21	3.56	10.82
434	Local, Interurban Passenger Transit	0.00	0.00	0.00
435	Motor Freight Transport and Warehousing	3.26	3.20	-1.82
436	Water Transportation	0.00	0.00	0.00
437	Air Transportation	0.00	0.00	0.00
438	Pipe Lines, Except Natural Gas	0.00	0.00	0.00
439	Arrangement Of Passenger Transportation	0.00	0.00	0.00
440	Transportation Services	0.00	0.00	0.00
441	Communications, Except Radio and TV	0.00	0.00	0.00
442	Radio and TV Broadcasting	0.00	0.00	0.00
443	Electric Services	5.18	3.73	-28.13
444	Gas Production and Distribution	0.00	0.00	0.00
445	Water Supply and Sewerage Systems	0.00	0.00	0.00
446	Sanitary Services and Steam Supply	0.00	0.00	0.00
447	Wholesale Trade	1.41	1.06	-24.40
448	Building Materials & Gardening	0.00	0.00	0.00

Table 7. Continued.

	Sector	Location Quotient 1998	Location Quotient 2000	Percentage Change in Location Quotient (%)
449	General Merchandise Stores	0.00	0.00	0.00
450	Food Stores	0.55	0.59	7.08
451	Automotive Dealers & Service Stations	0.00	0.00	0.00
452	Apparel & Accessory Stores	1.06	1.09	3.45
453	Furniture & Home Furnishings Stores	0.00	0.00	0.00
454	Eating & Drinking	0.17	0.17	1.12
455	Miscellaneous Retail	1.61	1.09	-32.58
456	Banking	0.00	0.00	0.00
457	Credit Agencies	1.05	1.16	11.21
458	Security and Commodity Brokers	0.00	0.00	0.00
459	Insurance Carriers	0.00	0.00	0.00
460	Insurance Agents and Brokers	0.00	0.00	0.00
461	Owner-occupied Dwellings	0.00	0.00	0.00
462	Real Estate	0.37	0.38	1.53
463	Hotels and Lodging Places	4.52	5.21	15.40
464	Laundry, Cleaning and Shoe Repair	0.00	0.00	0.00
465	Portrait and Photographic Studios	0.00	0.00	0.00
466	Beauty and Barber Shops	0.00	0.00	0.00
467	Funeral Service and Crematories	0.00	0.00	0.00
468	Miscellaneous Personal Services	0.00	0.00	0.00
469	Advertising	0.00	0.00	0.00
470	Other Business Services	0.00	0.00	0.00
471	Photofinishing, Commercial Photography	0.00	0.00	0.00
472	Services To Buildings	0.00	0.00	0.00
473	Equipment Rental and Leasing	0.00	0.00	0.00
474	Personnel Supply Services	0.00	0.00	0.00
475	Computer and Data Processing Services	0.00	0.00	0.00
476	Detective and Protective Services	0.00	0.00	0.00
477	Automobile Rental and Leasing	0.00	0.00	0.00
478	Automobile Parking and Car Wash	0.00	0.00	0.00
479	Automobile Repair and Services	0.00	0.00	0.00
480	Electrical Repair Service	0.00	0.00	0.00
481	Watch, Clock, Jewelry and Furniture Repair	0.00	0.00	0.00
482	Miscellaneous Repair Shops	0.00	0.00	0.00
483	Motion Pictures	0.00	0.00	0.00
484	Theatrical Producers, Bands Etc.	0.00	0.00	0.00
485	Bowling Alleys and Pool Halls	0.00	0.00	0.00
486	Commercial Sports Except Racing	0.00	0.00	0.00
487	Racing and Track Operation	0.00	0.00	0.00
488	Amusement and Recreation Services, N.E.C.	0.00	0.00	0.00
489	Membership Sports and Recreation Clubs	0.00	0.00	0.00
490	Doctors and Dentists	0.00	0.00	0.00
491	Nursing and Protective Care	0.00	0.00	0.00
492	Hospitals	0.00	0.00	0.00
493	Other Medical and Health Services	0.00	0.00	0.00
494	Legal Services	0.00	0.00	0.00
495	Elementary and Secondary Schools	0.00	0.00	0.00
496	Colleges, Universities, Schools	0.00	0.00	0.00
497	Other Educational Services	0.00	0.00	0.00
498	Job Trainings & Related Services	0.00	0.00	0.00

Table 7. Continued.

	Sector	Location Quotient 1998	Location Quotient 2000	Percentage Change in Location Quotient (%)
499	Child Day Care Services	0.00	0.00	0.00
500	Social Services, N.E.C.	1.40	2.04	45.31
501	Residential Care	0.00	0.00	0.00
502	Other Nonprofit Organizations	0.00	0.00	0.00
503	Business Associations	0.00	0.00	0.00
504	Labor and Civic Organizations	0.00	0.00	0.00
505	Religious Organizations	0.00	0.00	0.00
506	Engineering, Architectural Services	0.00	0.00	0.00
507	Accounting, Auditing and Bookkeeping	0.00	0.00	0.00
508	Management and Consulting Services	0.00	0.00	0.00
509	Research, Development & Testing Services	0.00	0.00	0.00
510	Local Government Passenger Transit	0.00	0.00	0.00
511	State and Local Electric Utilities	0.00	0.00	0.00
512	Other State and Local Govt Enterprises	2.51	3.86	53.84
513	U.S. Postal Service	1.58	1.70	7.69
514	Federal Electric Utilities	0.00	0.00	0.00
515	Other Federal Government Enterprises	0.00	0.00	0.00
516	Noncomparable Imports	0.00	0.00	0.00
517	Scrap	0.00	0.00	0.00
518	Used and Secondhand Goods	0.00	0.00	0.00
519	Federal Government - Military	0.33	0.35	7.74
520	Federal Government - Non-Military	4.19	4.81	14.86
521	Commodity Credit Corporation	0.00	0.00	0.00
522	State & Local Government - Education	2.71	2.97	9.58
523	State & Local Government - Non-Education	3.32	3.51	5.64
524	Rest Of The World Industry	0.00	0.00	0.00
525	Domestic Services	1.08	1.21	12.16
526	Dummy	0.00	0.00	0.00
527	Dummy	0.00	0.00	0.00
528	Inventory Valuation Adjustment	0.00	0.00	0.00

Table 8. Sectoral Output Shift-Share Analysis for the Rest of White Pine County Study Area, 1998 to 2000.

Sector		National Effects	Industry Mix	Competitive Effects	Total Change
-----\$1,000's-----					
1	Dairy Farm Products	45.938	-125.645	5.510	-74.196
2	Poultry and Eggs	0.000	0.000	0.000	0.000
3	Ranch Fed Cattle	17.511	10.499	38.198	66.208
4	Range Fed Cattle	84.203	50.485	188.459	323.146
5	Cattle Feedlots	41.183	24.692	-4.497	61.377
6	Sheep, Lambs and Goats	9.512	-16.814	37.155	29.853
7	Hogs, Pigs and Swine	0.000	0.000	0.000	0.000
8	Other Meat Animal Products	2.810	-1.511	2.771	4.070
9	Miscellaneous Livestock	5.621	-4.054	6.574	8.141
10	Cotton	0.000	0.000	0.000	0.000
11	Food Grains	0.000	0.000	0.000	0.000
12	Feed Grains	1.621	-0.872	-2.286	-1.536
13	Hay and Pasture	142.463	-76.595	46.005	111.874
14	Grass Seeds	0.000	0.000	0.000	0.000
15	Tobacco	0.000	0.000	0.000	0.000
16	Fruits	0.000	0.000	0.000	0.000
17	Tree Nuts	0.000	0.000	0.000	0.000
18	Vegetables	0.000	0.000	0.000	0.000
19	Sugar Crops	0.000	0.000	0.000	0.000
20	Miscellaneous Crops	0.000	0.000	2.000	2.000
21	Oil Bearing Crops	0.000	0.000	0.000	0.000
22	Forest Products	0.000	0.000	0.000	0.000
23	Greenhouse and Nursery Products	0.000	0.000	0.000	0.000
24	Forestry Products	11.998	-40.102	-86.865	-114.969
25	Commercial Fishing	82.797	-373.263	-438.923	-729.389
26	Agricultural, Forestry, Fishery Services	0.000	0.000	0.000	0.000
27	Landscape and Horticultural Services	0.000	0.000	0.000	0.000
28	Iron Ores	0.000	0.000	0.000	0.000
29	Copper Ores	0.000	0.000	0.000	0.000
30	Lead and Zinc Ores	0.000	0.000	0.000	0.000
31	Gold Ores	0.000	0.000	0.000	0.000
32	Silver Ores	0.000	0.000	0.000	0.000
33	Ferroalloy Ores, Except Vanadium	0.000	0.000	0.000	0.000
34	Metal Mining Services	0.000	0.000	0.000	0.000
35	Uranium-radium-vanadium Ores	0.000	0.000	0.000	0.000
36	Metal Ores, Not Elsewhere Classified	0.000	0.000	0.000	0.000
37	Coal Mining	0.000	0.000	0.000	0.000
38	Natural Gas & Crude Petroleum	0.000	0.000	0.000	0.000
39	Natural Gas Liquids	0.000	0.000	0.000	0.000
40	Dimension Stone	0.000	0.000	0.000	0.000
41	Sand and Gravel	1.513	1.969	-8.983	-5.501
42	Clay, Ceramic, Refractory Minerals, N.E.C.	0.000	0.000	0.000	0.000
43	Potash, Soda, and Borate Minerals	0.000	0.000	0.000	0.000
44	Phosphate Rock	0.000	0.000	0.000	0.000
45	Chemical, Fertilizer Mineral Mining, N.E.C.	0.000	0.000	0.000	0.000
46	Nonmetallic Minerals (Except Fuels) Service	0.000	0.000	0.000	0.000
47	Misc. Nonmetallic Minerals, N.E.C.	0.000	0.000	0.000	0.000
48	New Residential Structures	0.000	0.000	0.000	0.000
49	New Industrial and Commercial Buildings	30.590	-9.888	-39.820	-19.119

Table 8. Continued.

Sector		National Effects	Industry Mix	Competitive Effects	Total Change
-----\$1,000's-----					
50	New Utility Structures	10.485	6.101	-11.054	5.532
51	New Highways and Streets	11.241	3.321	-10.281	4.281
52	New Farm Structures	0.000	0.000	0.000	0.000
53	New Mineral Extraction Facilities	5.188	-7.068	-4.836	-6.716
54	New Government Facilities	21.942	-0.110	-28.090	-6.258
55	Maintenance and Repair, Residential	13.619	96.120	-29.245	80.495
56	Maintenance and Repair Other Facilities	17.619	1.105	-24.552	-5.828
57	Maintenance and Repair Oil and Gas Wells	0.000	0.000	0.000	0.000
58	Meat Packing Plants	0.000	0.000	0.000	0.000
59	Sausages and Other Prepared Meats	0.000	0.000	0.000	0.000
60	Poultry Processing	0.000	0.000	0.000	0.000
61	Creamery Butter	0.000	0.000	0.000	0.000
62	Cheese, Natural and Processed	0.000	0.000	0.000	0.000
63	Condensed and Evaporated Milk	0.000	0.000	0.000	0.000
64	Ice Cream and Frozen Desserts	0.000	0.000	0.000	0.000
65	Fluid Milk	0.000	0.000	0.000	0.000
66	Canned Specialties	0.000	0.000	0.000	0.000
67	Canned Fruits and Vegetables	0.000	0.000	0.000	0.000
68	Dehydrated Food Products	0.000	0.000	0.000	0.000
69	Pickles, Sauces, and Salad Dressings	0.000	0.000	0.000	0.000
70	Frozen Fruits, Juices and Vegetables	0.000	0.000	0.000	0.000
71	Frozen Specialties	0.000	0.000	0.000	0.000
72	Flour and Other Grain Mill Products	0.000	0.000	0.000	0.000
73	Cereal Preparations	0.000	0.000	0.000	0.000
74	Rice Milling	0.000	0.000	0.000	0.000
75	Blended and Prepared Flour	0.000	0.000	0.000	0.000
76	Wet Corn Milling	0.000	0.000	0.000	0.000
77	Dog, Cat, and Other Pet Food	0.000	0.000	0.000	0.000
78	Prepared Feeds, N.E.C	0.000	0.000	0.000	0.000
79	Bread, Cake, and Related Products	0.000	0.000	0.000	0.000
80	Cookies and Crackers	0.000	0.000	0.000	0.000
81	Sugar	0.000	0.000	0.000	0.000
82	Confectionery Products	0.000	0.000	0.000	0.000
83	Chocolate and Cocoa Products	0.000	0.000	0.000	0.000
84	Chewing Gum	0.000	0.000	0.000	0.000
85	Salted and Roasted Nuts & Seeds	0.000	0.000	0.000	0.000
86	Cottonseed Oil Mills	0.000	0.000	0.000	0.000
87	Soybean Oil Mills	0.000	0.000	0.000	0.000
88	Vegetable Oil Mills, N.E.C	0.000	0.000	0.000	0.000
89	Animal and Marine Fats and Oils	0.000	0.000	0.000	0.000
90	Shortening and Cooking Oils	0.000	0.000	0.000	0.000
91	Malt Beverages	0.000	0.000	0.000	0.000
92	Malt	0.000	0.000	0.000	0.000
93	Wines, Brandy, and Brandy Spirits	0.000	0.000	0.000	0.000
94	Distilled Liquor, Except Brandy	0.000	0.000	0.000	0.000
95	Bottled and Canned Soft Drinks & Water	0.000	0.000	0.000	0.000
96	Flavoring Extracts and Syrups, N.E.C.	0.000	0.000	0.000	0.000
97	Canned and Cured Sea Foods	0.000	0.000	0.000	0.000
98	Prepared Fresh Or Frozen Fish Or Seafood	0.000	0.000	0.000	0.000
99	Roasted Coffee	0.000	0.000	0.000	0.000
100	Potato Chips & Similar Snacks	0.000	0.000	0.000	0.000
101	Manufactured Ice	0.000	0.000	0.000	0.000

Table 8. Continued.

Sector		National Effects	Industry Mix	Competitive Effects	Total Change
-----\$1,000's-----					
102	Macaroni and Spaghetti	0.000	0.000	0.000	0.000
103	Food Preparations, N.E.C	0.000	0.000	0.000	0.000
104	Cigarettes	0.000	0.000	0.000	0.000
105	Cigars	0.000	0.000	0.000	0.000
106	Chewing and Smoking Tobacco	0.000	0.000	0.000	0.000
107	Tobacco Stemming and Redrying	0.000	0.000	0.000	0.000
108	Broadwoven Fabric Mills and Finishing	0.000	0.000	0.000	0.000
109	Narrow Fabric Mills	0.000	0.000	0.000	0.000
110	Women's Hosiery, Except Socks	0.000	0.000	0.000	0.000
111	Hosiery, N.E.C	0.000	0.000	0.000	0.000
112	Knit Outerwear Mills	0.000	0.000	0.000	0.000
113	Knit Underwear Mills	0.000	0.000	0.000	0.000
114	Knit Fabric Mills	0.000	0.000	0.000	0.000
115	Knitting Mills, N.E.C.	0.000	0.000	0.000	0.000
116	Yarn Mills and Finishing Of Textiles, N.E.C.	0.000	0.000	0.000	0.000
117	Carpets and Rugs	0.000	0.000	0.000	0.000
118	Thread Mills	0.000	0.000	0.000	0.000
119	Coated Fabrics, Not Rubberized	0.000	0.000	0.000	0.000
120	Tire Cord and Fabric	0.000	0.000	0.000	0.000
121	Nonwoven Fabrics	0.000	0.000	0.000	0.000
122	Cordage and Twine	0.000	0.000	0.000	0.000
123	Textile Goods, N.E.C	0.000	0.000	0.000	0.000
124	Apparel Made From Purchased Materials	0.000	0.000	0.000	0.000
125	Curtains and Draperies	0.000	0.000	0.000	0.000
126	Housefurnishings, N.E.C	0.000	0.000	0.000	0.000
127	Textile Bags	0.000	0.000	0.000	0.000
128	Canvas Products	0.000	0.000	0.000	0.000
129	Pleating and Stitching	0.000	0.000	0.000	0.000
130	Automotive and Apparel Trimmings	12.971	-0.200	-137.062	-124.291
131	Schiffi Machine Embroideries	0.000	0.000	0.000	0.000
132	Fabricated Textile Products, N.E.C.	0.000	0.000	0.000	0.000
133	Logging Camps and Logging Contractors	50.370	-168.323	-364.710	-482.662
134	Sawmills and Planing Mills, General	0.000	0.000	0.000	0.000
135	Hardwood Dimension and Flooring Mills	0.000	0.000	0.000	0.000
136	Special Product Sawmills, N.E.C	0.000	0.000	0.000	0.000
137	Millwork	0.000	0.000	0.000	0.000
138	Wood Kitchen Cabinets	0.000	0.000	0.000	0.000
139	Veneer and Plywood	0.000	0.000	0.000	0.000
140	Structural Wood Members, N.E.C	0.000	0.000	0.000	0.000
141	Wood Containers	0.000	0.000	0.000	0.000
142	Wood Pallets and Skids	0.000	0.000	0.000	0.000
143	Mobile Homes	0.000	0.000	0.000	0.000
144	Prefabricated Wood Buildings	0.000	0.000	0.000	0.000
145	Wood Preserving	0.000	0.000	0.000	0.000
146	Reconstituted Wood Products	0.000	0.000	0.000	0.000
147	Wood Products, N.E.C	0.000	0.000	0.000	0.000
148	Wood Household Furniture	0.000	0.000	0.000	0.000
149	Upholstered Household Furniture	0.000	0.000	0.000	0.000
150	Metal Household Furniture	0.000	0.000	0.000	0.000
151	Mattresses and Bedsprings	0.000	0.000	0.000	0.000
152	Wood TV and Radio Cabinets	0.000	0.000	0.000	0.000
153	Household Furniture, N.E.C	0.000	0.000	0.000	0.000

Table 8. Continued.

Sector		National Effects	Industry Mix	Competitive Effects	Total Change
-----\$1,000's-----					
154	Wood Office Furniture	0.000	0.000	0.000	0.000
155	Metal Office Furniture	0.000	0.000	0.000	0.000
156	Public Building Furniture	0.000	0.000	0.000	0.000
157	Wood Partitions and Fixtures	0.000	0.000	0.000	0.000
158	Metal Partitions and Fixtures	0.000	0.000	0.000	0.000
159	Blinds, Shades, and Drapery Hardware	0.000	0.000	0.000	0.000
160	Furniture and Fixtures, N.E.C	0.000	0.000	0.000	0.000
161	Pulp Mills	0.000	0.000	0.000	0.000
162	Paper Mills, Except Building Paper	0.000	0.000	0.000	0.000
163	Paperboard Mills	0.000	0.000	0.000	0.000
164	Paperboard Containers and Boxes	0.000	0.000	0.000	0.000
165	Paper Coated & Laminated Packaging	0.000	0.000	0.000	0.000
166	Paper Coated & Laminated N.E.C.	0.000	0.000	0.000	0.000
167	Bags, Plastic	0.000	0.000	0.000	0.000
168	Bags, Paper	0.000	0.000	0.000	0.000
169	Die-cut Paper and Board	0.000	0.000	0.000	0.000
170	Sanitary Paper Products	0.000	0.000	0.000	0.000
171	Envelopes	0.000	0.000	0.000	0.000
172	Stationery Products	0.000	0.000	0.000	0.000
173	Converted Paper Products, N.E.C	0.000	0.000	0.000	0.000
174	Newspapers	7.999	-4.388	13.743	17.354
175	Periodicals	0.000	0.000	0.000	0.000
176	Book Publishing	0.000	0.000	0.000	0.000
177	Book Printing	0.000	0.000	0.000	0.000
178	Miscellaneous Publishing	0.000	0.000	0.000	0.000
179	Commercial Printing	9.944	-8.390	1.157	2.710
180	Manifold Business Forms	0.000	0.000	0.000	0.000
181	Greeting Card Publishing	0.000	0.000	0.000	0.000
182	Blankbooks and Looseleaf Binder	0.000	0.000	0.000	0.000
183	Bookbinding & Related	0.000	0.000	0.000	0.000
184	Typesetting	0.000	0.000	0.000	0.000
185	Plate Making	0.000	0.000	0.000	0.000
186	Alkalies & Chlorine	0.000	0.000	0.000	0.000
187	Industrial Gases	0.000	0.000	0.000	0.000
188	Inorganic Pigments	0.000	0.000	0.000	0.000
189	Inorganic Chemicals Nec.	0.000	0.000	0.000	0.000
190	Cyclic Crudes, Interm. & Indus. Organic Chem.	0.000	0.000	0.000	0.000
191	Plastics Materials and Resins	0.000	0.000	0.000	0.000
192	Synthetic Rubber	0.000	0.000	0.000	0.000
193	Cellulosic Man-made Fibers	0.000	0.000	0.000	0.000
194	Organic Fibers, Noncellulosic	0.000	0.000	0.000	0.000
195	Drugs	0.000	0.000	0.000	0.000
196	Soap and Other Detergents	0.000	0.000	0.000	0.000
197	Polishes and Sanitation Goods	0.000	0.000	0.000	0.000
198	Surface Active Agents	0.000	0.000	0.000	0.000
199	Toilet Preparations	0.000	0.000	207.000	207.000
200	Paints and Allied Products	0.000	0.000	0.000	0.000
201	Gum and Wood Chemicals	0.000	0.000	0.000	0.000
202	Nitrogenous and Phosphatic Fertilizers	0.000	0.000	0.000	0.000
203	Fertilizers, Mixing Only	0.000	0.000	0.000	0.000
204	Agricultural Chemicals, N.E.C	0.000	0.000	0.000	0.000
205	Adhesives and Sealants	0.000	0.000	0.000	0.000

Table 8. Continued.

Sector		National Effects	Industry Mix	Competitive Effects	Total Change
-----\$1,000's-----					
206	Explosives	0.000	0.000	0.000	0.000
207	Printing Ink	0.000	0.000	0.000	0.000
208	Carbon Black	0.000	0.000	0.000	0.000
209	Chemical Preparations, N.E.C	0.000	0.000	0.000	0.000
210	Petroleum Refining	0.000	0.000	0.000	0.000
211	Paving Mixtures and Blocks	0.000	0.000	0.000	0.000
212	Asphalt Felts and Coatings	0.000	0.000	0.000	0.000
213	Lubricating Oils and Greases	0.000	0.000	0.000	0.000
214	Petroleum and Coal Products, N.E.C.	0.000	0.000	0.000	0.000
215	Tires and Inner Tubes	0.000	0.000	0.000	0.000
216	Rubber and Plastics Footwear	0.000	0.000	0.000	0.000
217	Rubber and Plastics Hose and Belting	0.000	0.000	0.000	0.000
218	Gaskets, Packing and Sealing Devices	0.000	0.000	0.000	0.000
219	Fabricated Rubber Products, N.E.C.	0.000	0.000	0.000	0.000
220	Miscellaneous Plastics Products	0.000	0.000	0.000	0.000
221	Leather Tanning and Finishing	0.000	0.000	0.000	0.000
222	Footwear Cut Stock	0.000	0.000	0.000	0.000
223	House Slippers	0.000	0.000	0.000	0.000
224	Shoes, Except Rubber	0.000	0.000	0.000	0.000
225	Leather Gloves and Mittens	0.000	0.000	0.000	0.000
226	Luggage	0.000	0.000	0.000	0.000
227	Women's Handbags and Purses	0.000	0.000	0.000	0.000
228	Personal Leather Goods	0.000	0.000	0.000	0.000
229	Leather Goods, N.E.C	0.000	0.000	0.000	0.000
230	Glass and Glass Products, Exc Containers	0.000	0.000	0.000	0.000
231	Glass Containers	0.000	0.000	0.000	0.000
232	Cement, Hydraulic	0.000	0.000	0.000	0.000
233	Brick and Structural Clay Tile	0.000	0.000	0.000	0.000
234	Ceramic Wall and Floor Tile	0.000	0.000	0.000	0.000
235	Clay Refractories	0.000	0.000	0.000	0.000
236	Structural Clay Products, N.E.C	0.000	0.000	0.000	0.000
237	Vitreous Plumbing Fixtures	0.000	0.000	0.000	0.000
238	Vitreous China Food Utensils	0.000	0.000	0.000	0.000
239	Fine Earthenware Food Utensils	0.000	0.000	0.000	0.000
240	Porcelain Electrical Supplies	0.000	0.000	0.000	0.000
241	Pottery Products, N.E.C	0.000	0.000	0.000	0.000
242	Concrete Block and Brick	0.000	0.000	0.000	0.000
243	Concrete Products, N.E.C	0.000	0.000	0.000	0.000
244	Ready-mixed Concrete	0.000	0.000	131.000	131.000
245	Lime	0.000	0.000	0.000	0.000
246	Gypsum Products	0.000	0.000	0.000	0.000
247	Cut Stone and Stone Products	0.000	0.000	0.000	0.000
248	Abrasive Products	0.000	0.000	0.000	0.000
249	Asbestos Products	0.000	0.000	0.000	0.000
250	Minerals, Ground Or Treated	0.000	0.000	0.000	0.000
251	Mineral Wool	0.000	0.000	0.000	0.000
252	Nonclay Refractories	0.000	0.000	0.000	0.000
253	Nonmetallic Mineral Products, N.E.C.	0.000	0.000	0.000	0.000
254	Blast Furnaces and Steel Mills	0.000	0.000	0.000	0.000
255	Electrometallurgical Products	0.000	0.000	0.000	0.000
256	Steel Wire and Related Products	0.000	0.000	0.000	0.000
257	Cold Finishing Of Steel Shapes	0.000	0.000	0.000	0.000

Table 8. Continued.

Sector		National Effects	Industry Mix	Competitive Effects	Total Change
-----\$1,000's-----					
258	Steel Pipe and Tubes	0.000	0.000	0.000	0.000
259	Iron and Steel Foundries	0.000	0.000	0.000	0.000
260	Primary Copper	0.000	0.000	0.000	0.000
261	Primary Aluminum	0.000	0.000	0.000	0.000
262	Primary Nonferrous Metals, N.E.C.	0.000	0.000	0.000	0.000
263	Secondary Nonferrous Metals	0.000	0.000	0.000	0.000
264	Copper Rolling and Drawing	0.000	0.000	0.000	0.000
265	Aluminum Rolling and Drawing	0.000	0.000	0.000	0.000
266	Nonferrous Rolling and Drawing, N.E.C.	0.000	0.000	0.000	0.000
267	Nonferrous Wire Drawing and Insulating	0.000	0.000	0.000	0.000
268	Aluminum Foundries	0.000	0.000	0.000	0.000
269	Brass, Bronze, and Copper Foundries	0.000	0.000	3.000	3.000
270	Nonferrous Castings, N.E.C.	0.000	0.000	0.000	0.000
271	Metal Heat Treating	0.000	0.000	0.000	0.000
272	Primary Metal Products, N.E.C	0.000	0.000	0.000	0.000
273	Metal Cans	0.000	0.000	0.000	0.000
274	Metal Barrels, Drums and Pails	0.000	0.000	0.000	0.000
275	Cutlery	0.000	0.000	0.000	0.000
276	Hand and Edge Tools, N.E.C.	0.000	0.000	0.000	0.000
277	Hand Saws and Saw Blades	0.000	0.000	0.000	0.000
278	Hardware, N.E.C.	0.000	0.000	0.000	0.000
279	Metal Sanitary Ware	0.000	0.000	0.000	0.000
280	Plumbing Fixture Fittings and Trim	0.000	0.000	0.000	0.000
281	Heating Equipment, Except Electric	0.000	0.000	0.000	0.000
282	Fabricated Structural Metal	0.000	0.000	0.000	0.000
283	Metal Doors, Sash, and Trim	0.000	0.000	0.000	0.000
284	Fabricated Plate Work (Boiler Shops)	0.000	0.000	0.000	0.000
285	Sheet Metal Work	0.000	0.000	0.000	0.000
286	Architectural Metal Work	0.000	0.000	0.000	0.000
287	Prefabricated Metal Buildings	0.000	0.000	0.000	0.000
288	Miscellaneous Metal Work	0.000	0.000	0.000	0.000
289	Screw Machine Products and Bolts, Etc.	0.000	0.000	0.000	0.000
290	Iron and Steel Forgings	0.000	0.000	0.000	0.000
291	Nonferrous Forgings	0.000	0.000	0.000	0.000
292	Automotive Stampings	0.000	0.000	0.000	0.000
293	Crowns and Closures	0.000	0.000	0.000	0.000
294	Metal Stampings, N.E.C.	0.000	0.000	0.000	0.000
295	Plating and Polishing	0.000	0.000	0.000	0.000
296	Metal Coating and Allied Services	0.000	0.000	0.000	0.000
297	Small Arms Ammunition	0.000	0.000	0.000	0.000
298	Ammunition, Except For Small Arms, N.E.C.	0.000	0.000	0.000	0.000
299	Small Arms	0.000	0.000	0.000	0.000
300	Other Ordnance and Accessories	0.000	0.000	0.000	0.000
301	Industrial and Fluid Valves	0.000	0.000	0.000	0.000
302	Steel Springs, Except Wire	0.000	0.000	0.000	0.000
303	Pipe, Valves, and Pipe Fittings	0.000	0.000	0.000	0.000
304	Miscellaneous Fabricated Wire Products	0.000	0.000	0.000	0.000
305	Metal Foil and Leaf	0.000	0.000	0.000	0.000
306	Fabricated Metal Products, N.E.C.	0.000	0.000	0.000	0.000
307	Steam Engines and Turbines	0.000	0.000	0.000	0.000
308	Internal Combustion Engines, N.E.C.	0.000	0.000	0.000	0.000
309	Farm Machinery and Equipment	0.000	0.000	0.000	0.000

Table 8. Continued.

Sector		National Effects	Industry Mix	Competitive Effects	Total Change
-----\$1,000's-----					
310	Lawn and Garden Equipment	0.000	0.000	0.000	0.000
311	Construction Machinery and Equipment	0.000	0.000	0.000	0.000
312	Mining Machinery, Except Oil Field	0.000	0.000	0.000	0.000
313	Oil Field Machinery	0.000	0.000	0.000	0.000
314	Elevators and Moving Stairways	0.000	0.000	0.000	0.000
315	Conveyors and Conveying Equipment	0.000	0.000	0.000	0.000
316	Hoists, Cranes, and Monorails	0.000	0.000	0.000	0.000
317	Industrial Trucks and Tractors	0.000	0.000	0.000	0.000
318	Machine Tools, Metal Cutting Types	0.000	0.000	0.000	0.000
319	Machine Tools, Metal Forming Types	0.000	0.000	0.000	0.000
320	Industrial Patterns	0.000	0.000	0.000	0.000
321	Special Dies and Tools and Accessories	0.000	0.000	0.000	0.000
322	Power Driven Hand Tools	0.000	0.000	0.000	0.000
323	Rolling Mill Machinery	0.000	0.000	0.000	0.000
324	Welding Apparatus	0.000	0.000	0.000	0.000
325	Metalworking Machinery, N.E.C.	0.000	0.000	0.000	0.000
326	Textile Machinery	0.000	0.000	0.000	0.000
327	Woodworking Machinery	0.000	0.000	0.000	0.000
328	Paper Industries Machinery	0.000	0.000	0.000	0.000
329	Printing Trades Machinery	0.000	0.000	0.000	0.000
330	Food Products Machinery	0.000	0.000	0.000	0.000
331	Special Industry Machinery N.E.C.	0.000	0.000	0.000	0.000
332	Pumps and Compressors	0.000	0.000	0.000	0.000
333	Ball and Roller Bearings	0.000	0.000	0.000	0.000
334	Blowers and Fans	0.000	0.000	0.000	0.000
335	Packaging Machinery	0.000	0.000	0.000	0.000
336	Power Transmission Equipment	0.000	0.000	0.000	0.000
337	Industrial Furnaces and Ovens	0.000	0.000	0.000	0.000
338	General Industrial Machinery, N.E.C	0.000	0.000	0.000	0.000
339	Electronic Computers	0.000	0.000	0.000	0.000
340	Computer Storage Devices	0.000	0.000	0.000	0.000
341	Computer Terminals	0.000	0.000	0.000	0.000
342	Computer Peripheral Equipment,	0.000	0.000	0.000	0.000
343	Calculating and Accounting Machines	0.000	0.000	0.000	0.000
344	Typewriters and Office Machines N.E.C.	0.000	0.000	2.000	2.000
345	Automatic Merchandising Machine	0.000	0.000	0.000	0.000
346	Commercial Laundry Equipment	0.000	0.000	0.000	0.000
347	Refrigeration and Heating Equipment	0.000	0.000	0.000	0.000
348	Measuring and Dispensing Pumps	0.000	0.000	0.000	0.000
349	Service Industry Machines, N.E.C.	0.000	0.000	0.000	0.000
350	Carburetors, Pistons, Rings, Valves	0.000	0.000	0.000	0.000
351	Fluid Power Cylinders & Actuators	0.000	0.000	0.000	0.000
352	Fluid Power Pumps & Motors	0.000	0.000	0.000	0.000
353	Scales and Balances	0.000	0.000	0.000	0.000
354	Industrial Machines N.E.C.	8.323	-2.069	-1.007	5.247
355	Transformers	0.000	0.000	0.000	0.000
356	Switchgear and Switchboard Apparatus	0.000	0.000	0.000	0.000
357	Motors and Generators	0.000	0.000	0.000	0.000
358	Carbon and Graphite Products	0.000	0.000	0.000	0.000
359	Relays & Industrial Controls	0.000	0.000	0.000	0.000
360	Electrical Industrial Apparatus, N.E.C.	0.000	0.000	0.000	0.000
361	Household Cooking Equipment	0.000	0.000	0.000	0.000

Table 8. Continued.

Sector		National Effects	Industry Mix	Competitive Effects	Total Change
362	Household Refrigerators and Freezers	0.000	0.000	0.000	0.000
363	Household Laundry Equipment	0.000	0.000	0.000	0.000
364	Electric Housewares and Fans	0.000	0.000	0.000	0.000
365	Household Vacuum Cleaners	0.000	0.000	0.000	0.000
366	Household Appliances, N.E.C.	0.000	0.000	0.000	0.000
367	Electric Lamps	0.000	0.000	0.000	0.000
368	Wiring Devices	0.000	0.000	0.000	0.000
369	Lighting Fixtures and Equipment	0.000	0.000	0.000	0.000
370	Radio and TV Receiving Sets	0.000	0.000	0.000	0.000
371	Phonograph Records and Tape	0.000	0.000	0.000	0.000
372	Telephone and Telegraph Apparatus	0.000	0.000	0.000	0.000
373	Radio and TV Communication Equipment	0.000	0.000	0.000	0.000
374	Communications Equipment N.E.C.	0.000	0.000	0.000	0.000
375	Electron Tubes	0.000	0.000	0.000	0.000
376	Printed Circuit Boards	0.000	0.000	0.000	0.000
377	Semiconductors and Related Devices	0.000	0.000	0.000	0.000
378	Electronic Components, N.E.C.	0.000	0.000	0.000	0.000
379	Storage Batteries	0.000	0.000	0.000	0.000
380	Primary Batteries, Dry and Wet	0.000	0.000	0.000	0.000
381	Engine Electrical Equipment	0.000	0.000	0.000	0.000
382	Magnetic & Optical Recording Media	0.000	0.000	0.000	0.000
383	Electrical Equipment, N.E.C.	0.000	0.000	0.000	0.000
384	Motor Vehicles	0.000	0.000	0.000	0.000
385	Truck and Bus Bodies	0.000	0.000	0.000	0.000
386	Motor Vehicle Parts and Accessories	0.000	0.000	0.000	0.000
387	Truck Trailers	0.000	0.000	0.000	0.000
388	Motor Homes	0.000	0.000	0.000	0.000
389	Aircraft	0.000	0.000	0.000	0.000
390	Aircraft and Missile Engines and Parts	0.000	0.000	0.000	0.000
391	Aircraft and Missile Equipment,	0.000	0.000	0.000	0.000
392	Ship Building and Repairing	0.000	0.000	0.000	0.000
393	Boat Building and Repairing	0.000	0.000	0.000	0.000
394	Railroad Equipment	21.510	-14.284	-213.341	-206.115
395	Motorcycles, Bicycles, and Parts	0.000	0.000	0.000	0.000
396	Complete Guided Missiles	0.000	0.000	0.000	0.000
397	Travel Trailers and Camper	0.000	0.000	0.000	0.000
398	Tanks and Tank Components	0.000	0.000	0.000	0.000
399	Transportation Equipment, N.E.C	0.000	0.000	0.000	0.000
400	Search & Navigation Equipment	0.000	0.000	0.000	0.000
401	Laboratory Apparatus & Furniture	0.000	0.000	0.000	0.000
402	Automatic Temperature Controls	0.000	0.000	0.000	0.000
403	Mechanical Measuring Devices	0.000	0.000	0.000	0.000
404	Instruments To Measure Electricity	0.000	0.000	0.000	0.000
405	Analytical Instruments	0.000	0.000	0.000	0.000
406	Optical Instruments & Lenses	0.000	0.000	0.000	0.000
407	Surgical and Medical Instrument	0.000	0.000	0.000	0.000
408	Surgical Appliances and Supplies	0.000	0.000	0.000	0.000
409	Dental Equipment and Supplies	0.000	0.000	0.000	0.000
410	X-Ray Apparatus	0.000	0.000	0.000	0.000
411	Electromedical Apparatus	0.000	0.000	0.000	0.000
412	Ophthalmic Goods	0.000	0.000	0.000	0.000
413	Photographic Equipment and Supplies	0.000	0.000	0.000	0.000

Table 8. Continued.

Sector		National Effects	Industry Mix	Competitive Effects	Total Change
-----\$1,000's-----					
414	Watches, Clocks, and Parts	0.000	0.000	0.000	0.000
415	Jewelry, Precious Metal	0.000	0.000	0.000	0.000
416	Silverware and Plated Ware	0.000	0.000	0.000	0.000
417	Jewelers Materials and Lapidary Work	0.000	0.000	0.000	0.000
418	Musical Instruments	0.000	0.000	0.000	0.000
419	Dolls	0.000	0.000	0.000	0.000
420	Games, Toys, and Children's Vehicles	0.000	0.000	0.000	0.000
421	Sporting and Athletic Goods, N.E.C.	0.000	0.000	0.000	0.000
422	Pens and Mechanical Pencils	0.000	0.000	0.000	0.000
423	Lead Pencils and Art Goods	0.000	0.000	0.000	0.000
424	Marking Devices	0.000	0.000	0.000	0.000
425	Carbon Paper and Inked Ribbons	0.000	0.000	0.000	0.000
426	Costume Jewelry	0.000	0.000	0.000	0.000
427	Fasteners, Buttons, Needles, Pins	0.000	0.000	0.000	0.000
428	Brooms and Brushes	0.000	0.000	0.000	0.000
429	Signs and Advertising Displays	0.000	0.000	0.000	0.000
430	Burial Caskets and Vaults	0.000	0.000	0.000	0.000
431	Hard Surface Floor Coverings	0.000	0.000	0.000	0.000
432	Manufacturing Industries, N.E.C.	11.241	-7.909	-111.051	-107.719
433	Railroads and Related Services	18.592	-20.730	59.989	57.850
434	Local, Interurban Passenger Transit	0.216	-0.039	9.751	9.928
435	Motor Freight Transport and Warehousing	116.305	-2.743	-195.035	-81.473
436	Water Transportation	0.000	0.000	0.000	0.000
437	Air Transportation	0.000	0.000	0.000	0.000
438	Pipe Lines, Except Natural Gas	0.000	0.000	0.000	0.000
439	Arrangement Of Passenger Transportation	0.000	0.000	0.000	0.000
440	Transportation Services	0.432	-0.441	8.865	8.857
441	Communications, Except Radio and TV	0.000	0.000	0.000	0.000
442	Radio and TV Broadcasting	0.000	0.000	0.000	0.000
443	Electric Services	102.254	-162.635	-326.444	-386.825
444	Gas Production and Distribution	0.000	0.000	0.000	0.000
445	Water Supply and Sewerage Systems	0.000	0.000	0.000	0.000
446	Sanitary Services and Steam Supply	1.946	4.206	-10.796	-4.644
447	Wholesale Trade	141.382	-86.999	-565.152	-510.769
448	Building Materials & Gardening	0.000	0.000	0.000	0.000
449	General Merchandise Stores	0.000	0.000	0.000	0.000
450	Food Stores	11.566	-0.074	-2.318	9.174
451	Automotive Dealers & Service Stations	0.000	0.000	0.000	0.000
452	Apparel & Accessory Stores	4.648	0.862	24.952	30.463
453	Furniture & Home Furnishings Stores	0.000	0.000	0.000	0.000
454	Eating & Drinking	8.647	-2.194	-19.314	-12.860
455	Miscellaneous Retail	44.966	21.554	-191.394	-124.874
456	Banking	0.000	0.000	0.000	0.000
457	Credit Agencies	10.809	2.286	2.330	15.424
458	Security and Commodity Brokers	0.216	0.956	1.756	2.928
459	Insurance Carriers	0.000	0.000	0.000	0.000
460	Insurance Agents and Brokers	0.000	0.000	0.000	0.000
461	Owner-occupied Dwellings	99.551	-21.823	280.340	358.069
462	Real Estate	62.584	-24.128	-116.159	-77.703
463	Hotels and Lodging Places	60.747	29.894	26.264	116.905
464	Laundry, Cleaning and Shoe Repair	0.000	0.000	0.000	0.000
465	Portrait and Photographic Studios	0.000	0.000	0.000	0.000

Table 8. Continued.

Sector		National Effects	Industry Mix	Competitive Effects	Total Change
-----\$1,000's-----					
466	Beauty and Barber Shops	0.000	0.000	0.000	0.000
467	Funeral Service and Crematories	0.000	0.000	0.000	0.000
468	Miscellaneous Personal Services	0.000	0.000	0.000	0.000
469	Advertising	0.000	0.000	0.000	0.000
470	Other Business Services	0.000	0.000	0.000	0.000
471	Photofinishing, Commercial Photography	0.000	0.000	0.000	0.000
472	Services To Buildings	0.000	0.000	0.000	0.000
473	Equipment Rental and Leasing	0.000	0.000	0.000	0.000
474	Personnel Supply Services	0.000	0.000	0.000	0.000
475	Computer and Data Processing Services	0.000	0.000	0.000	0.000
476	Detective and Protective Services	0.000	0.000	0.000	0.000
477	Automobile Rental and Leasing	0.000	0.000	0.000	0.000
478	Automobile Parking and Car Wash	0.000	0.000	6.000	6.000
479	Automobile Repair and Services	0.000	0.000	0.000	0.000
480	Electrical Repair Service	0.000	0.000	0.000	0.000
481	Watch, Clock, Jewelry and Furniture Repair	0.000	0.000	0.000	0.000
482	Miscellaneous Repair Shops	0.000	0.000	0.000	0.000
483	Motion Pictures	0.000	0.000	0.000	0.000
484	Theatrical Producers, Bands Etc.	0.000	0.000	0.000	0.000
485	Bowling Alleys and Pool Halls	0.000	0.000	0.000	0.000
486	Commercial Sports Except Racing	0.000	0.000	0.000	0.000
487	Racing and Track Operation	0.000	0.000	0.000	0.000
488	Amusement and Recreation Services, N.E.C.	0.000	0.000	10.000	10.000
489	Membership Sports and Recreation Clubs	0.000	0.000	0.000	0.000
490	Doctors and Dentists	0.000	0.000	0.000	0.000
491	Nursing and Protective Care	0.000	0.000	0.000	0.000
492	Hospitals	0.000	0.000	0.000	0.000
493	Other Medical and Health Services	0.000	0.000	0.000	0.000
494	Legal Services	0.000	0.000	0.000	0.000
495	Elementary and Secondary Schools	0.000	0.000	1.000	1.000
496	Colleges, Universities, Schools	0.000	0.000	1.000	1.000
497	Other Educational Services	0.000	0.000	0.000	0.000
498	Job Trainings & Related Services	0.000	0.000	0.000	0.000
499	Child Day Care Services	0.000	0.000	0.000	0.000
500	Social Services, N.E.C.	9.620	14.339	30.859	54.818
501	Residential Care	0.000	0.000	0.000	0.000
502	Other Nonprofit Organizations	0.000	0.000	0.000	0.000
503	Business Associations	0.000	0.000	0.000	0.000
504	Labor and Civic Organizations	0.000	0.000	0.000	0.000
505	Religious Organizations	0.000	0.000	0.000	0.000
506	Engineering, Architectural Services	0.000	0.000	0.000	0.000
507	Accounting, Auditing and Bookkeeping	0.000	0.000	0.000	0.000
508	Management and Consulting Services	0.000	0.000	0.000	0.000
509	Research, Development & Testing Services	0.000	0.000	7.000	7.000
510	Local Government Passenger Transit	0.000	0.000	0.000	0.000
511	State and Local Electric Utilities	0.000	0.000	0.000	0.000
512	Other State and Local Govt Enterprises	37.291	15.900	17.473	70.664
513	U.S. Postal Service	11.782	-10.662	-2.018	-0.897
514	Federal Electric Utilities	0.000	0.000	0.000	0.000
515	Other Federal Government Enterprises	0.000	0.000	0.000	0.000
516	Noncomparable Imports	0.000	0.000	0.000	0.000
517	Scrap	0.000	0.000	0.000	0.000

Table 8. Continued.

	Sector	National Effects	Industry Mix	Competitive Effects	Total Change
-----\$1,000's-----					
518	Used and Secondhand Goods	0.000	0.000	0.000	0.000
519	Federal Government - Military	4.216	-3.730	1.120	1.606
520	Federal Government - Non-Military	76.960	-18.627	160.208	218.542
521	Commodity Credit Corporation	0.000	0.000	0.000	0.000
522	State & Local Government - Education	163.649	-45.963	157.180	274.866
523	State & Local Government - Non-Education	184.727	-48.455	187.622	323.893
524	Rest Of The World Industry	0.000	0.000	0.000	0.000
525	Domestic Services	1.297	-1.674	0.948	0.571
526	Dummy	0.000	0.000	0.000	0.000
527	Dummy	0.000	0.000	0.000	0.000
528	Inventory Valuation Adjustment	10.917	-204.646	11.118	-182.611
	Total	1865.535	-1232.758	-1254.887	-622.110

**ANALYSIS OF SOCIO-ECONOMIC DATA AND TRENDS FOR
WHITE PINE COUNTY, PART IV:**

**CURRENT AND FUTURE EMPLOYMENT, OUTPUT, AND
OCCUPATION FORECASTS**



**ANALYSIS OF SOCIO-ECONOMIC DATA AND TRENDS FOR
WHITE PINE COUNTY, PART IV:
CURRENT AND FUTURE EMPLOYMENT, OUTPUT, AND OCCUPATION
FORECASTS**

Thomas R. Harris

and

Jeffrey Hardcastle

Thomas R. Harris is a Professor in the Department of Resource Economics and Director of the University Center for Economic Development at the University of Nevada, Reno.

Jeffrey Hardcastle is the Nevada State Demographer in the Small Business Development Center, College of Business Administration at the University of Nevada, Reno

June 2004

**UNIVERSITY
OF NEVADA
RENO**

The University of Nevada, Reno is an Equal Opportunity/Affirmative Action employer and does not discriminate on the basis of race, color, religion, sex, age, creed, national origin, veteran status, physical or mental disability, and in accordance with university policy, sexual orientation, in any program or activity it operates. The University of Nevada employs only United States citizens and aliens lawfully authorized to work in the United States.

This publication, *Analysis of Socio-Economic Data and Trends for White Pine County, Part IV: Current and Future Employment, Output, and Occupation Forecasts*, was published by the University Center for Economic Development in the Department of Resource Economics at the University of Nevada, Reno. Funds for this publication were provided by the United States Department of Commerce Economic Development Administration under University Centers Program contract #07-66-05359. This publication's statements, findings, conclusions, recommendations, and/or data represent solely the findings and views of the authors and do not necessarily represent the views of the U.S. Department of Commerce, the Economic Development Administration, White Pine County Commissioners, Great Basin College, State of Nevada Commission on Economic Development, University of Nevada, Reno, or any reference sources used or quoted by this study. Reference to research projects, programs, books, magazines, or newspaper articles does not imply an endorsement or recommendation by the authors unless otherwise stated. Correspondence regarding this document should be sent to:

Thomas R. Harris, Director
University Center for Economic Development
University of Nevada, Reno
Department of Resource Economics
Mail Stop 204
Reno, Nevada 89557-0105
Phone: 775/784-6499



UCED
University of Nevada, Reno
Nevada Cooperative Extension
Department of Resource Economics

**ANALYSIS OF SOCIO-ECONOMIC DATA AND TRENDS FOR
WHITE PINE COUNTY, PART IV:**

**CURRENT AND FUTURE EMPLOYMENT, OUTPUT, AND OCCUPATION
FORECASTS**

INTRODUCTION

The University Center for Economic Development conducted a study on current and future employment, output, and occupations trends in the nation, state, and White Pine County. Results of this study can be used for background material for a Comprehensive Economic Development Strategy (CEDS) in White Pine County and the feasibility analysis for a regional business incubator. The U.S. Department of Labor (Berman, 2001; Su, 2001; Hecker, 2001) and the State of Nevada Department of Employment, Training, and Rehabilitation (2004) project employment and occupations every two years. Results of this outlook could provide useful information regarding business, industrial, and employment opportunities in White Pine County.

National Trends

Domestic growth with continued high productivity, low unemployment rates, and strong foreign markets will characterize the expected outlook to 2010 (Su, 2001). U.S. Bureau of Labor Statistics (Berman, 2001) project that from 2000 to 2010, total industrial output will increase by approximately \$6.1 trillion to \$22.3 trillion in 2010. Output growth is projected to be slower because of slower growth in the labor force. However, industrial output will grow faster than the labor force and employment due to increased labor productivity. Technological advances are an important agent for growth in the national economy.

Overall employment is expected to increase by 22.2 million from 2000 to 2010, which is slightly faster than the 21.3 million increase from 1990 to 2000. Labor force is projected to increase by 16.9 million persons between 2000 to 2010, a rate of growth of approximately 1.1 percent annually, which is roughly the same annual growth rate as between 1990 to 2000. Underlying this trend is a projected growth rate of 1.1 percent in the working-age population and a slight increase in overall labor force participation rates.

Significant changes in demographic composition will accompany the relatively slower growth of the labor force over the next ten years. Growth in the labor force by women will continue to outpace that of men, primarily due to differences in labor force participation rates.

Women's share of the labor force is projected to increase from 47 percent in 2000 to 48 percent in 2010.

Immigration will continue to play a major role in the growth of the U.S. labor force. By 2010, the Hispanic labor force is projected to be larger than the black labor force, primarily because of faster population growth. The black labor force is expected to grow by 21 percent, more than twice as fast as the nine percent growth rate for the white labor force from 2000 to 2010.

Between 2000 and 2010, the Bureau of Labor Statistics (Fullerton and Toossi, 2001) projects 41 million workers will enter the labor force and 24 million will leave. These figures compare with 35 million entrants and 19 million leavers during the 1990 to 2000 period. Between 2000 and 2010, entrants will more likely be women. Leavers will also more likely be men given that the male labor force is older than the female.

The age of the labor force can be measured in various ways, one being median age. As the baby-boomer generation entered the labor force, the median age of the labor force decreased. The median age steadily declined until 1980. Since 1980, the labor force median age has begun to increase. With the population projected to continue aging as rapidly as in the past, the median age of the labor force by 2010 is expected to exceed the 1962 level. The highest median age level attained before the entrance of the baby boomers was 40.5 years, which occurred in 1962. Median age of labor force in 2010 is forecast to be 40.6 years of age.

Table 1 shows that employment is forecast to continue its shift from goods-producing to service-producing sectors. In the goods-producing sectors, employment in the Construction Sector and the Manufacturing Sector is projected to increase and offset the employment declines in the Mining Sector. All employment in the service-producing industries is forecast to increase except for the Federal Government Sector. Nationally, the service-producing sectors are forecast to realize the largest sectoral employment increases. These sectors are the Services Sector and the Retail Trade Sector.

Table 1. Employment By Major Industry Division, 1990, 2000 and Projected 2010.

Industry	Thousands of Jobs			Average annual rate of change	
	1990	2000	2010	1990-2000	2000-2010
Total*	124,324	145,594	167,754	1.6	1.4
Nonfarm wage and salary	108,760	130,639	152,447	1.8	1.6
Goods producing	24,906	25,709	27,057	0.3	0.5
Mining	709	543	488	-2.6	-1.1
Construction	5,120	6,698	7,522	2.7	1.2
Manufacturing	19,077	18,469	19,047	-0.3	0.3
Durable	11,109	11,138	11,780	0.0	0.6
Nondurable	7,968	7,331	7,257	-0.8	-0.1
Service producing	83,854	104,930	125,390	2.3	1.8
Transportation, Communication and Public Utilities	5,776	7,019	8274	2.0	1.7
Wholesale Trade	6,173	7,024	7,800	1.3	1.1
Retail Trade	19,601	23,307	26,400	1.7	1.3
Finance, Insurance and Real Estate	6,709	7,560	8,247	1.2	0.9
Services	27,291	39,340	52,233	3.7	2.9
Government	18,304	20,680	22,436	1.2	0.8
Federal Gov't	3,085	2,777	2,622	-1.0	-0.6
State and Local Gov't	15,219	17,903	19,814	1.6	1.0
Agriculture	3,340	3,526	3,849	0.5	0.9
Private household wage and salary	1,104	890	664	-1.3	-2.9
Nonagricultural self-employed and unpaid family workers	8,921	8,731	9,062	-0.2	0.4
Secondary wage and salary jobs in agriculture (except ag services, forestry, fishing, hunting and trapping)	205	155	150	-2.8	-0.3
Secondary jobs as a self-employed or unpaid family worker	2,084	1,652	1,582	-2.3	-0.4

*Employment data for wage and salary workers are from the BLS Current Employment Statistics (payroll) survey, which counts jobs, whereas self-employed, unpaid family worker, agricultural and private household data are from the Current Population Survey (household survey), which counts workers.

Source: Berman, J. "Industry Output and Employment Projections to 2010." *Monthly Labor Review* 124 (November 2001):39-56.

National Output Trends

However, just focusing on employment may produce an incorrect view of sectoral growth and importance in the national economy. Labor is only one input factor in production. Capital and technology also influence economic sectoral output. Table 2 shows projections of real national sectoral output to the year 2010.

Table 2 shows a somewhat opposite view of economic sectoral importance when only employment is analyzed. Even though the Manufacturing Sector is projected to realize small employment increases from 2000 to 2010, the real value of output for the Manufacturing Sector is forecasted to increase from 2000 to 2010. Additionally in absolute values, the Manufacturing Sector leads all sectors in real value of production in 2010. This is also true for the Agricultural Sector where employment is forecasted to realize a modest 9.2 percent increase, but real output is forecasted to increase by 21.2 percent from 2000 to 2010.

The rapid real output growth by sectors in the goods-producing sector is due to technological advances that increase real sectoral output even with limited employment increases. The service-producing sector output is forecasted to increase by 38.8 percent from 2000 to 2010. Results of Table 2 indicate that despite the lower employment in the goods-producing sectors, they remain an important sector to the national economy based on real value of output.

National Occupation Trends

Nationally, among the major occupation groups, employment in the two largest occupations in 2000 – professional and related occupations and service occupations – will increase the fastest and add the most jobs from 2000 to 2010 (Hecker, 2001). These major occupation groups, which are on the opposite ends of the educational attainment and earnings spectrum, are expected to provide more than half of the total job growth from 2000 to 2010.

Table 2. Output by Major Industry Division (Gross Domestic Output), 1990, 2000 and Projected 2010.

Industry	Billions of chained 1996 dollars			Average annual rate of change	
	1990	2000	2010	1990-2000	2000-2010
Total*	1,172.2	16,180.2	22,286.1	3.5	3.3
	3,947.5	5,724.4	7,681.0	3.8	3.0
Goods producing	205.4	212.1	229.9	0.3	0.8
Mining	205.4	212.1	229.9	0.3	0.8
Construction	730.0	910.1	1,182.1	2.2	2.6
Manufacturing	3,022.0	4,601.4	6,278.6	4.3	3.2
Durable	1,480.8	2,785.2	4,136.4	6.5	4.0
Nondurable	1,553.0	1,834.5	2,219.7	1.7	1.9
Service producing	6,732.3	9,421.9	13,079.1	3.4	3.3
Transportation, Communication and Public Utilities	931.1	1,278.0	1,961.9	3.2	4.4
Wholesale Trade	607.7	920.4	1,409.6	4.2	4.4
Retail Trade	896.8	1,222.4	1,627.9	3.1	2.9
Finance, Insurance and Real Estate	1,198.1	1,806.4	2,429.1	4.2	3.0
Services	2,056.7	3,031.5	4,377.9	4.0	3.7
Government	1,043.4	1,161.6	1,287.5	1.1	1.0
Federal Gov't	388.9	353.3	359.8	-1.0	0.2
State and Local Gov't	654.5	808.3	927.7	2.1	1.4
Agriculture	257.2	333.7	404.5	2.6	1.9
Private households	12.6	14.7	13.3	1.5	-1.0
Special Industries*	529.9	706.8	1,102.2	2.9	4.5
Residual	-7.4	-21.3	5.9	-	-

* Consists of nonproducing accounting categories to reconcile input-output system with NIPA accounts.

Sources: Historical data are from the Bureau of Economic Analysis, U.S. Department of Commerce; projections are from the Bureau of Labor Statistics.

Source: Berman, J. "Industry Output and Employment Projections to 2010." *Monthly Labor Review* 124 (November 2001):39-56.

Table 3 shows the twenty occupations forecast to have the largest numerical increase from 2000 to 2010. Among the occupations used for projections, the top twenty numerical leaders account for 36.07 percent of total national occupational employment change between 2000 and 2010. Also these top twenty national occupations with the largest numerical increase between 2000 and 2010 account for 25.53 percent of total 2010 national occupational employment. For the occupations forecasted with the largest numeric increases, only six of these occupations indicate that the most significant source of education or training required is an Associate Degree or higher.

Table 3. Top Twenty National Occupations with Largest Numerical Increase in Thousands of Jobs, 2000-2010.

Occupation	Number (1,000)	Most Significant Source of Education or Training
Combined food preparation and serving workers, including fast food	673	Short-term on-the-job-training
Customers service representatives	631	Moderate-term on-the-job training
Registered nurses	561	Associate degree
Retail salespersons	510	Short-term on-the-job training
Computer support specialists	490	Associate degree
Cashiers, except gaming	474	Short-term on-the-job training
Office clerks, general	430	Short-term on-the-job training
Security guards	391	Short-term on-the-job training
Computer software engineers, applications	380	Bachelor's degree
Waiters and waitresses	364	Short-term on-the-job training
General and operations managers	363	Bachelor's or higher degree, plus work experience
Truck Drivers, heavy and tractor-trailer	346	Moderate-term on-the-job training
Nursing aides, orderlies, and attendants	323	Short-term on-the-job training
Janitors and cleaners, except maids and housekeeping cleaners	317	Short-term on-the-job training
Postsecondary teachers	315	Doctoral degree
Teacher assistants	301	Short-term on-the-job training
Home health aides	291	Short-term on-the-job training
Laborers and freight, stock, and material movers, hand	289	Short-term on-the-job training
Computer software engineers, systems software	284	Bachelor's degree
Landscaping and groundskeeping workers	260	Short-term on-the-job training

Source: Hecker, D. "Occupation Employment Projections to 2010." *Monthly Labor Review* 124 (November 2001): 57-84.

Table 4 shows the twenty national occupations forecast to have the largest percentage growth. Thirteen of the fastest growing occupations are professional and technical occupations that require post secondary education. Among the 500 occupations used for projections, the top twenty fastest growing occupations by percentage increase account for 13.66 percent of total occupational employment change nationally between 2000 and 2010. Also, these top twenty fastest growing occupations by percentage increase account for 4.50 percent of total 2010 national occupational employment.

Table 4. Top Twenty Fastest Growing National Occupations in Thousands of Jobs, 2000 to 2010.

Occupation	Number (1,000)	Most significant Source of Education or Training
Computer software engineers, applications	380	Bachelor's degree
Computer support specialists	490	Associate degree
Computer software engineers, systems software	284	Bachelor's degree
Network and computer systems administrators	187	Bachelor's degree
Network systems and data communications analysts	92	Bachelor's degree
Desktop publishers	25	Postsecondary vocational award
Database administrators	70	Bachelor's degree
Personal and home care aides	258	Short-term on-the-job training
Computer systems analysts	258	Bachelor's degree
Medical assistants	187	Moderate-term on-the-job training
Social and human service assistants	147	Moderate-term on-the-job training
Physician assistants	31	Bachelor's degree
Medical records and health information technicians	66	Associate degree
Computer and information systems managers	150	Bachelor's or higher degree, plus work experience
Home health aides	291	Short-term on-the-job training
Physical therapist aides	17	Short-term on-the-job training
Occupational therapist aides	4	Short-term on-the-job training
Physical therapist assistants	20	Associate degree
Audiologists	6	Master's degree
Fitness trainers and aerobics instructors	64	Postsecondary vocational award

Source: Hecker, D. "Occupation Employment Projections to 2010." *Monthly Labor Review* 124 (November 2001): 57-84.

Table 5 shows occupations forecast for the slowest numerical increase from 2000 to 2010. There are two major reasons for slower occupational employment changes. Either the industries that employ these occupations are projected to have slower or negative growth in production levels, or technology or business practices will reduce the demand for these occupations in most industries. The top twenty national occupations forecast for slowest employment increase from 2000 to 2010 make up only 4.21 percent of total national employment. Also, all of these slow growing occupations do not require post-secondary education as a most significant source of education or training.

Table 5. Top Twenty National Occupations Forecast with Greatest Declines, in Thousands of Jobs, 2000 to 2010.

Occupation	Number (1,000)	Most Significant Source of Education or Training
Farmers and ranchers	-328	Long-term on-the-job training
Order clerks	-71	Short-term on-the-job training
Tellers	-59	Short-term on-the-job training
Insurance claims and policy processing clerks	-58	Moderate-term on-the-job training
Word processors and typists	-57	Moderate-term on-the-job training
Sewing machine operators	-51	Moderate-term on-the-job training
Dishwashers	-42	Short-term on-the-job training
Switchboard operators, including answering service	-41	Short-term on-the-job training
Loan interviewers and clerks	-38	Short-term on-the-job training
Computer operators	-33	Moderate-term on-the-job training
Dining room and cafeteria attendants and bartender helpers	-29	Short-term on-the-job training
Electrical and electronic equipment assemblers	-24	Short-term on-the-job training
Machine feeders and offbearers	-22	Short-term on-the-job training
Telephone operators	-19	Short-term on-the-job training
Secretaries, except legal, medical, and executive	-18	Moderate-term on-the-job training
Prepress technicians and workers	-17	Long-term on-the-job training
Office machine operators, except computers	-16	Short-term on-the-job training
Cutting, punching, and press machine setters, operators, and processing machine operators, metal and plastic	-15	Moderate-term on-the-job training
Postal service mail sorters, processors, and processing machine operators	-14	Short-term on-the-job training
Railroad brake, signal, and switch operators	-13	Work experience in a related occupation

Source: Hecker, D. "Occupation Employment Projections to 2010." *Monthly Labor Review* 124 (November 2001): 57-84.

Synopsis of National Economic, Employment and Occupational Trends

The following trends will be useful for White Pine County's CEDS reports or the feasibility analysis of a regional business incubator.

- The national economy is forecasted to grow more slowly from 2000 to 2010 than in the preceding ten-year period from 1990 to 2000.
- Overall national employment is expected to increase by 22.2 million from 2000 to 2010, which is higher than the 21.3 million increase from 1990 to 2000.
- The demographic picture of the labor force is projected to change by 2010.
- Hispanics are projected to have the largest increase in the national labor force and will be larger than the black labor force.
- Female participation rate in the labor force in nearly all age groups is projected to increase. This means that the female share of the labor force is forecast to increase from 47 percent in 2000 to 48 percent in 2010.
- Nationally, employment is projected to increase by 15.2 percent from 2000 to 2010, with most employment increases occurring in the Service Sector and the Retail Sector.
- Nationally, employment in the Manufacturing Sector is forecasted to increase by 578,000 jobs and real value of output is forecast to increase by 36.45 percent. In 2010, the national Manufacturing Sector real value of output will be the leading national economic sector. Because of technological advances, the Manufacturing Sector can produce more with fewer people.
- Among the 500 national occupations forecast by the Bureau of Labor Statistics, the top twenty national occupations by numerical growth account for approximately 36 percent of total national occupational employment change from 2000 to 2010 and are forecast to be approximately 26 percent of total national 2010 occupational employment.
- Over half of the fastest growing occupations are forecast as professional or technical occupations that require post-secondary education. Also, for the fastest growing occupation by percentage growth, these twenty occupations are forecasted to make up only 4.5 percent of total 2010 occupation employment.
- Of the twenty occupations forecast to have the lowest numeric increase in population from 2000 to 2010, these occupations are forecasted to make up less than five percent of total national 2010 occupational employment.

Balance of State of Nevada Trends

The State of Nevada Department of Employment, Training and Rehabilitation (2003) projects occupation for the state of Nevada. Occupational projections presented are from 1998 to 2008. Projections are made for the state; Clark County SMSA (Clark and Nye Counties in Nevada and Mohave County in Arizona); Washoe County SMSA; and Balance of State. Since White Pine County is part of the Balance of State projections, the text will focus on occupational projections for the Balance of State.

The state of Nevada is forecast to realize occupational employment increase of 385,879 or a 35.3 percent increase in occupational employment from 2000 to 2010. For comparison, Las Vegas SMSA is forecast to realize an occupational employment increase of 315,304 jobs from 2000 to 2010 or a projected occupational employment increase of 39.7 percent while Washoe County is forecast to realize an occupational increase of 52,734 jobs from 2000 to 2010 or a projected employment increase of 25.4 percent. Most occupational increases in both SMSA's are forecast to be in the casino and retail industries.

Balance of State Occupational Trends

The Department of Employment, Training and Rehabilitation for the State of Nevada (2004) forecasts that Balance of State occupational employment will increase by 37,385 jobs from 2000 to 2010 or a 26.1 percent increase in occupational employment. From Table 6, the top twenty Balance of State occupations by numeric increase are forecast to account for 34.89 percent of total Balance of State occupational employment increase from 2000 to 2010. Also, these top twenty numeric increase occupations are forecast to account for 29.44 percent of total 2010 Balance of State occupational employment. For the Balance of State, the economic sectors where these occupations are located are primarily in the retail, service and public school industries. Only the Elementary School Teachers, Except Special Education occupation requires a bachelor's degree.

Table 7 shows the Balance of State occupations forecast to have the largest percentage increases in employment from 2000 to 2010. Some of these occupations will require post-secondary education and/or apprenticeships in a trade. Among the forecasted occupations, the twenty fastest growing occupations by percentage growth account for 24.99 percent of total Balance of State occupational employment growth in 2010. Also, these top twenty fastest

growing occupations by percentage increase are forecast to account for 18.36 percent of total Balance of State occupational employment in 2010.

Table 8 shows occupations projected to realize the lowest numeric increases in occupational employment from 2000 to 2010. Waiters and Waitresses are forecasted to have no employment increase from 2000 to 2010. Most of these slow growth occupations do not require a college education. From 2000 to 2010, the twenty slow growth occupations account for only 6.03 percent of occupational employment growth. Also, the slow growth occupations are only 11.07 percent of total 2010 Balance of State employment.

Table 6. Top Twenty Nevada Balance of State Occupations by Numeric Increase from 2000-2010.

Occupation	Numeric Increase	Most Significant Source of Education or Training
	Actual number	
Cashiers	1,460	Short-term on-the-job training
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	1,095	Short-term on-the-job training
Elementary School Teachers, Except Special Education	1,008	Bachelor's degree
Retail Salespersons	987	Short-term on-the-job training
General and Operations Managers	816	Work experience plus bachelor's degree or higher
Office Clerks, General	735	Short-term on-the-job training
Laborers and freight, Stock, and Material Movers, Hand	705	Short-term on-the-job training
Combined Food Preparation and Serving Workers, Including Fast Food	643	Short-term on-the-job training
Truck Drivers, Heavy and Tractor-Trailer	595	Moderate-term on-the-job training
First-Line Supervisors/Managers of Retail Sales Workers	567	Work experience in a related occupation
Registered Nurses	511	Associate degree
Sales Representatives, Wholesale and Manufacturing, except Technical and Scientific Products	489	Moderate-term on-the-job training
Construction Laborers	486	Moderate-term on-the-job training
Carpenters	473	Long-term on-the-job training
First-Line Supervisors/Managers of Construction Trades and Extraction Workers	462	Work experience in a related occupation
Bookkeeping, Accounting, and Auditing Clerks	446	Moderate-term on-the-job training
Stock Clerks and Order Fillers	436	Short-term on-the-job training
Maids and Housekeeping Cleaners	423	Short-term on-the-job training
Truck Drivers, Light or Delivery Services	365	Short-term on-the-job training
Electricians	340	Short-term on-the-job training

Source: State of Nevada Department of Employment, Training and Rehabilitation. "State Occupation Projections: 2000-2010." Research and Analysis Bureau, Carson City, Nevada, 2004.

Table 7. Top Twenty Nevada Fastest Growing Balance of State Occupations from 2000 to 2010.

Occupation	Percentage Increase	Most Significant Source of Education or Training
	(%)	
Computer Support Specialists	73.2	Associate degree
Combined Food Preparation and Serving Workers, Including Fast Food	48.7	Short-term on-the-job training
Registered Nurses	45.5	Associate degree
Construction Laborers	43.9	Moderate-term on-the-job training
Secondary School Teachers, Except Special and Vocational Education	43.6	Bachelor's degree
Welders, Cutters, Solderers, and Brazers	43.3	Short-term on-the-job training
Construction Managers	40.6	Bachelor's degree
Retail Salespersons	40.4	Short-term on-the-job training
Customer Service Representatives	39.5	Moderate-term on-the-job training
Receptionists and Information Clerks	38.6	Short-term on-the-job training
Stock Clerks and Order Fillers	38.3	Short-term on-the-job training
Electricians	38.0	Long-term on-the-job training
Landscaping and Groundskeeping Workers	37.3	Short-term on-the-job training
Elementary School Teachers, Except Special Education	37.0	Bachelor's degree
Carpenters	36.9	Long-term on-the-job training
Sales and Related Workers, All Other	36.8	Moderate-term on-the-job training
Automotive Service Technicians and Mechanics	36.7	Postsecondary vocational training
Cashiers	35.5	Short-term on-the-job training
First-Line Supervisors/Managers of Retail Sales Workers	33.4	Work experience in a related occupation
Middle School Teachers, Except Special and Vocational Education	32.7	Bachelor's degree

Source: State of Nevada Department of Employment, Training and Rehabilitation. "State Occupation Projections: 2000-2010." Research and Analysis Bureau, Carson City, November 2004.

Table 8. Top Twenty Nevada Balance of State Occupations Projected with Smallest Numeric Increase from 2000 to 2010.

Occupation	Change	Most Significant Source of Education or Training
	Actual number	
Waiters and Waitresses	-42	Short-term on-the-job training
Dishwashers	37	Short-term on-the-job training
Dining Room and Cafeteria Attendants and Bartender Helpers	45	Short-term on-the-job training
Agricultural Equipment Operators	55	Moderate-term on-the-job training
Gaming Cage Workers	68	Short-term on-the-job training
Cooks, Restaurant	80	Long-term on-the-job training
Farmworkers and Laborers, Crop Nursery, and Greenhouse	111	Long-term on-the-job training
Production Workers, All Other	111	Moderate-term on-the-job training
Mobile Heavy Equipment Mechanics, Except Engines	125	Postsecondary vocational training
Civil Engineers	126	Bachelor's degree
Insurance Sales Agents	130	Bachelor's degree
First-Line Supervisors/Managers of Production and Operating Workers	138	Work experience in a related occupation
Bus and Truck Mechanics and Diesel Engine Specialists	139	Postsecondary vocational training
Sales and Related Workers, All Other	149	Moderate-term on-the-job training
Middle School Teachers, Except Special and Vocational Education	164	Bachelor's degree
Aircraft Mechanics and Service Technicians	169	Postsecondary vocational training
First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	171	Work experience in a related occupation
Accountants and Auditors	178	Bachelor's degree
Amusement and Recreation Attendants	178	Short-term on-the-job training

Source: State of Nevada Department of Employment, Training and Rehabilitation. "State Occupation Projections: 2000-2010." Research and Analysis Bureau, Carson City, November 2004.

Synopsis of Balance of State Employment and Occupational Trends

The following synopsis will be useful for White Pine County's CEDS report or the feasibility analysis of a regional business incubator:

- Employment for the State of Nevada is projected to increase by 385,879 jobs from 2000 to 2010 or a 35.3 percent increase in occupational employment.
- Clark County SMSA is forecast to realize a 39.7 percent growth in occupational employment from 2000 to 2010 while Washoe County SMSA is forecast to increase by 25.4 percent.
- For the Balance of State of Nevada, which includes all Nevada counties except Clark, Nye and Washoe Counties, occupational employment is forecast to increase by 37,385 jobs or a 26.1 percent increase in occupational employment from 2000 to 2010.
- Among the forecasted state occupations by the Nevada Department of Employment, Training and Rehabilitation, the top twenty Balance of State occupations by numeric growth account for approximately 34.88 percent of total Balance of State occupational employment change from 2000 to 2010 and are forecast to be approximately 29.44 percent of total 2010 Balance of State occupational employment.
- Similar to the national forecasts, occupations forecast for largest percentage increases require post-secondary education or technical apprenticeships.
- The top twenty occupations projected for the fastest growth in the Balance of State account for approximately 25 percent of total occupational-employment growth from 2000 to 2010 and are forecast to be approximately 18 percent of total 2010 Balance of State occupational employment.
- The twenty slowest growing occupations from 2000 to 2010 accounted for only 6.03 percent of occupational employment growth. The top twenty slow growth occupations make up only 11.07 percent of total 2010 occupational employment. Waiters and waitresses occupation had no employment growth from 2000 to 2010 in the Balance of State.

Projections for White Pine County

A criticism of targeted economic development by Barkley et al (1998) was that an economic sector selected based on past economic growth might be at the end of a growth phase. Past sectoral employment growth may be a poor predictor of future sectoral employment growth. Therefore, for this analysis, sectoral projected employment growth must be incorporated into a targeted economic development analysis.

From the Nevada Office of the State Demographer (2004), one digit Standard Industrial Classification sector employment from 2001 to 2024 was estimated. These values were used to project county population to 2024. To make comparisons to national and state sectoral employment projections, county sectoral employment will be shown from 2001 to 2010. Table 9 shows that total employment in White Pine County is forecast to increase by 15.70 percent. However, change in employment is not uniform across economic sectors in White Pine County.

For White Pine County, the Mining Sector employment is forecast to increase by 115.66 percent from 2002 to 2010, and the service Sector is forecast to realize a 29.85 percent increase. Of the private sectors, the service Sector is projected to have the largest employment number for White Pine County in 2010. Economic sectors forecasted to realize an employment increase from 2001 to 2010 are the Agriculture Sector, the Mining Sector, the Construction sector, the Wholesale Trade Sector, the Service Sector, the State and Local Government Sector, and the Federal Government, Military Sector. The Manufacturing Sector is forecast to realize the largest employment decrease from 2001 to 2010 by declining by 18.60 percent.

Table 9. Forecasted Sectoral Employment for 2001 and 2010 for White Pine County.

Sector	Forecasted Employment		Percentage Change (%)
	2001	2010	
Agriculture	37	58	57.76
Mining	198	427	115.66
Construction	235	236	0.43
Manufacturing	43	35	-18.60
T.C. & P.U.	149	129	-13.42
Wholesale Trade	108	111	2.78
Retail Trade	743	681	-8.43
F.I.R.E.	228	196	-14.04
Services	908	1,179	29.85
State and Local Government	1,189	1,422	19.60
Federal Government, Civilian	212	204	-3.77
Federal Government, Military	21	32	52.38
TOTAL	4,071	4,710	15.70

Source: Hardcastle, J. "Sectoral Employment Projections by County from 2001 to 2024." State of Nevada Office of Demographer, University of Nevada, Reno, Reno, Nevada, 2004.

Synopsis of Employment Projections for White Pine County

The following is a synopsis of sectoral employment projections for White Pine County:

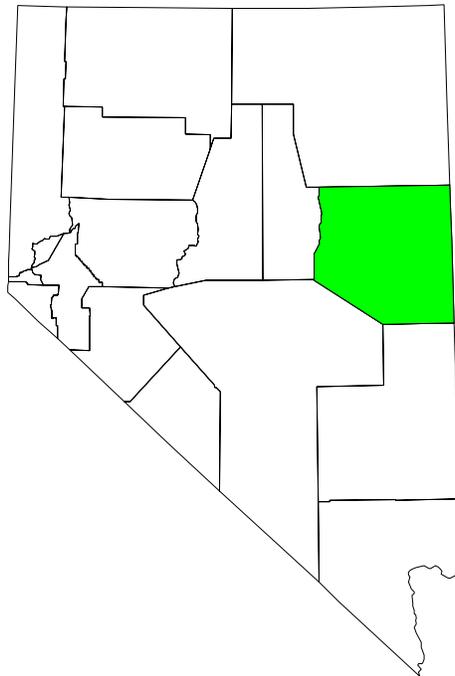
- Total employment in White Pine County is forecast to increase from 4,071 in 2001 to 4,710 in 2010 or a 15.70 percent increase in White Pine County employment.
- The Mining Sector in White Pine County is forecast to gain 229 jobs from 2001 to 2010 or a 115.66 percent increase in sectoral employment.
- The Manufacturing Sector in White Pine County is forecast for a decrease in employment of 18.60 percent from 2001 to 2010, while the Service Sector will remain the largest private sector employment sector with a 29.85 percent increase from 2001 to 2010.
- The forecasted employment change in Table 9 can be used as input to a local CEDS report or the business incubator study. By using these forecasts, the criticism of Barkley et al. (1998) that future sector employment growth rates should be used instead of historical employment growth rates can be met.
- Results of Table 9 indicate a moderate growing county economy that is still dependent upon the natural resource industries. A business incubator could enhance or expedite economic growth and diversification for the White Pine County economy.

REFERENCES

- Barkley, D., M. Henry, and S. Wright. "Industrial Targeting for Economic Development: Anderson County." Extension Economics Report ERR 170, Cooperative Extension Service, Clemson University, 1998.
- Berman, J. "Industry Output and Employment Projections to 2010." *Monthly Labor Review*, 124 (November 2001): 39-56.
- Hardcastle, J. "Sectoral Employment Projections by County, 2001 to 2024." State of Nevada Office of Demographer, University of Nevada, Reno, Reno, Nevada, 2004.
- Hecker, D. "Occupation Employment Projections to 2010." *Monthly Labor Review*, 124 (November 2001): 57-84.
- State of Nevada Demographer's Office. "Projection of Employment from 2001 to 2024." School of Business Administration, University of Nevada, Reno, 2004.
- State of Nevada Department of Employment, Training, and Rehabilitation. "State Occupation Projections: 2000-2010." Research and Analysis Bureau, Carson City, Nevada, 2004.
- Su, B. "The U.S. Economy to 2010." *Monthly Labor Review*, 124 (November 2001): 3-20.

**ANALYSIS OF SOCIO-ECONOMIC DATA AND TRENDS FOR
WHITE PINE COUNTY, PART V:**

ADDITIONAL INFORMATION



**ANALYSIS OF SOCIO-ECONOMIC DATA AND TRENDS FOR
WHITE PINE COUNTY, PART V:
ADDITIONAL INFORMATION**

Thomas R. Harris

Elizabeth Fadali

Joan Wright

Thomas R. Harris is a Professor in the Department of Resource Economics and Director of the University Center for Economic Development at the University of Nevada, Reno.

Elizabeth Fadali is a Research Associate in the Department of Applied Economics and Statistics at the University of Nevada, Reno.

Joan Wright is a Graduate Research Assistant in the University Center for Economic Development, College of Agriculture, Biotechnology, and Natural Resources at the University of Nevada, Reno.

December 2004

**UNIVERSITY
OF NEVADA
RENO**

The University of Nevada, Reno is an Equal Opportunity/Affirmative Action employer and does not discriminate on the basis of race, color, religion, sex, age, creed, national origin, veteran status, physical or mental disability, and in accordance with university policy, sexual orientation, in any program or activity it operates. The University of Nevada employs only United States citizens and aliens lawfully authorized to work in the United States.

This publication, *Analysis of Socio-Economic Data and Trends for White Pine County, Part V: Additional Information*, was published by the University Center for Economic Development in the Department of Resource Economics at the University of Nevada, Reno. Funds for this publication were provided by the United States Department of Commerce Economic Development Administration under University Centers Program contract #07-66-05359. This publication's statements, findings, conclusions, recommendations, and/or data represent solely the findings and views of the authors and do not necessarily represent the views of the U.S. Department of Commerce, the Economic Development Administration, White Pine County Commissioners, State of Nevada Commission on Economic Development, University of Nevada, Reno, or any reference sources used or quoted by this study. Reference to research projects, programs, books, magazines, or newspaper articles does not imply an endorsement or recommendation by the authors unless otherwise stated. Correspondence regarding this document should be sent to:

Thomas R. Harris, Director
University Center for Economic Development
University of Nevada, Reno
Department of Resource Economics
Mail Stop 204
Reno, Nevada 89557-0105
Phone: 775/784-6499



UCED
University of Nevada, Reno
Nevada Cooperative Extension
Department of Resource Economics

**ANALYSIS OF SOCIO-ECONOMIC DATA AND TRENDS FOR
WHITE PINE COUNTY, PART V:**

ADDITIONAL INFORMATION

INTRODUCTION

The University Center for Economic Development conducted a study of socio-economic trends in White Pine County. The results of this study can be used for background material for a Comprehensive Economic Development Strategy (CEDS) in White Pine County and other county economic development issues.

AGRICULTURAL TRENDS

Table 1 shows by Nevada counties the latest Census of Agriculture data (USDA, National Agricultural Statistics Service, 2002). As to number of farms, White Pine County had 121 farms in 2002 which ranks White Pine County 9th among Nevada's 17 counties. Also from Table 1 are county values of production as to crops, livestock and poultry, and total value of production. In 2002, White Pine County's crop value of production was \$3,938,000 which ranked White Pine County 12th among Nevada's 17 counties. Also from Table 1, total value of livestock and poultry production for White Pine County in 2002 was \$6,087,000 which ranked White Pine County 10th among Nevada's 17 counties. Lastly, from Table 1 total value of agricultural production for White Pine County in 2002 was \$10,025,000, which ranks White Pine County 12th among Nevada's seventeen counties.

Table 1. Value of Agricultural Production for Counties of the State of Nevada.

Nevada Counties	Farms (#)	Rank	2002 Value of Production				Overall Rank	
			Crops ^a	Rank	Livestock and Poultry ^a	Rank		Total Value ^a
Churchill	498	1	\$ 11,261	3	\$ 39,354	2	\$ 50,615	3
Clark	253	5	\$ 6,626	9	\$ 10,378	7	\$ 17,004	9
Douglas	178	7	\$ 4,233	11	\$ 4,900	11	\$ 9,133	13
Elko	397	2	\$ 1,680	15	\$ 43,631	1	\$ 45,311	4
Esmeralda ^c	18	15	\$ 2,759	13	\$ 718	15	\$ 3,478	14
Eureka	73	13	\$ 8,945	6	\$ 3,714	13	\$ 12,659	10
Humboldt	233	6	\$ 37,599	1	\$ 17,350	5	\$ 54,949	2
Lander	116	10	\$ 10,263	4	\$ 10,352	8	\$ 20,615	7
Lincoln	109	12	\$ 7,096	8	\$ 4,355	12	\$ 11,451	11
Lyon	330	4	\$ 36,723	2	\$ 37,748	3	\$ 74,471	1
Mineral ^c	17	16	\$ 2,606	14	\$ 678	16	\$ 3,284	15
Nye	172	8	\$ 4,370	10	\$ 18,049	4	\$ 22,419	6
Pershing	115	11	\$ 8,609	7	\$ 17,099	6	\$ 25,708	5
Storey ^c	6	17	\$ 920	16	\$ 239	17	\$ 1,159	16
Washoe	332	3	\$ 9,900	5	\$ 7,880	9	\$ 17,780	8
White Pine	121	9	\$ 3,938	12	\$ 6,087^b	10	\$ 10,025^b	12
Carson City	21	14	\$ 202	17	\$ 726	14	\$ 928	17
Nevada	2,989		\$157,730		\$ 223,259 ^b		\$380,989 ^b	

^a Value of production in \$1,000.

Source: Table 1. County Summary Highlights: 2002. Census of Agriculture, USDA, National Agricultural Statistics Service.

^b As per conversation with Martin Owens, NASS State Statistician, 12-27-04.

^c All Esmeralda, Mineral and Storey dollar values are UCED estimates using Census of Agriculture data as base.

Table 2 shows some county agricultural indicators for White Pine County. Total number of farms for White Pine County decreased from 122 farms in 1997 to 121 farms in 2002. Farm acreage in White Pine County declined from 243,477 in 1997 to 203,106 in 2002 or a 16.6 percent decline in farm acreage in five years. Also, average farm size in White Pine County declined from 1,996 acres in 1997 to 1,679 acres in 2002 or a decrease of 15.9 percent. The number of full time farms in White Pine County decreased from 72 farms to 67 farms, or a 6.9 percent decrease in full time farms.

Table 2. Number of Farms, Farm Acreage, Average Farm Size, and Number of Full Time Farms in White Pine County, 1997 to 2002.

Category	Year		
	2002	1997	Percent Change (%)
Total Number of Farms	121	122	-0.8%
Acreage of Farms	203,106	243,477	-16.6%
Average Farm Size in Acreage	1,679	1,996	-15.9%
Number of Full Time Farms	67	72	-6.9%

Source: Table 8. Farms, Land in Farms, Value of Land and Buildings, and Land Use: 2002 and 1997. Table 40. Tenure, Number of operators, Type of Organization, and Principal Operator Characteristics: 2002 and 1997. Census of Agriculture, County Data, USDA, National Agricultural Statistics Service.

Table 3 shows average market value of land and buildings per farm, lands and buildings per acre, and value of machinery and equipment per farm. From Table 3, average market value of land and building per farm increased from \$886,833 in 1997 to \$887,634 in 2002, meaning that the nominal value per farm remained almost unchanged. On a per acre basis, however, average market value of lands and buildings in White Pine County increased from \$440 per acre in 1997 to \$544 per acre in 2002, or a 23.6 percent increase. As Table 3 shows, market value of machinery and equipment per farm increased from \$66,445 in 1997 to \$154,253 in 2002, or a 132.2 percent increase over five years.

Table 3. Estimated Average Value of Land and Building and Machinery and Equipment in White Pine County from 1997 to 2002.

Category	Year		
	2002	1997	Percent Change (%)
Land and Buildings (per farm)	\$887,634	\$886,833	0.1%
Land and Buildings (per acre)	\$544	\$440	23.6%
Machinery and Equipment (per farm)	\$154,253	\$66,445	132.2%

Source: Table 8. Farms, Land in Farms, Value of Land and Buildings, and Land Use: 2002 and 1997. Table 38. Machinery and Equipment: 2002 and 1997. Census of Agriculture, County Data, USDA, National Agricultural Statistics Service.

Table 4 shows market values of agricultural sales for all agricultural products and average per farm for White Pine County from 1997 to 2002. The nominal market value of all agricultural products increased from \$8,184,000 in 1997 to \$10,087,000 in 2002, or a 22.5 percent increase. On a per farm basis, average market value of agricultural sales per farm in White Pine County increased from \$67,086 in 1997 to \$82,851 in 2002, or a 23.5 percent increase.

Table 4. Market Value of Agricultural Sales for White Pine County from 1997 to 2002.

Category	Year		
	2002	1997	Percent Change (%)
All Agricultural Products	\$10,025,000*	\$8,184,000	22.5%
Average Per Farm	\$82,851**	\$67,086	23.5%

Table 2. Market Value of Agricultural Products Sold Including Direct and Organic: 2002 and 1997. Census of Agriculture, County Data, USDA, National Agricultural Statistics Service, <http://www.nass.usda.gov>. *As per e-mail and conversation with Martin Owens, NASS State Statistician, 12-27-04.

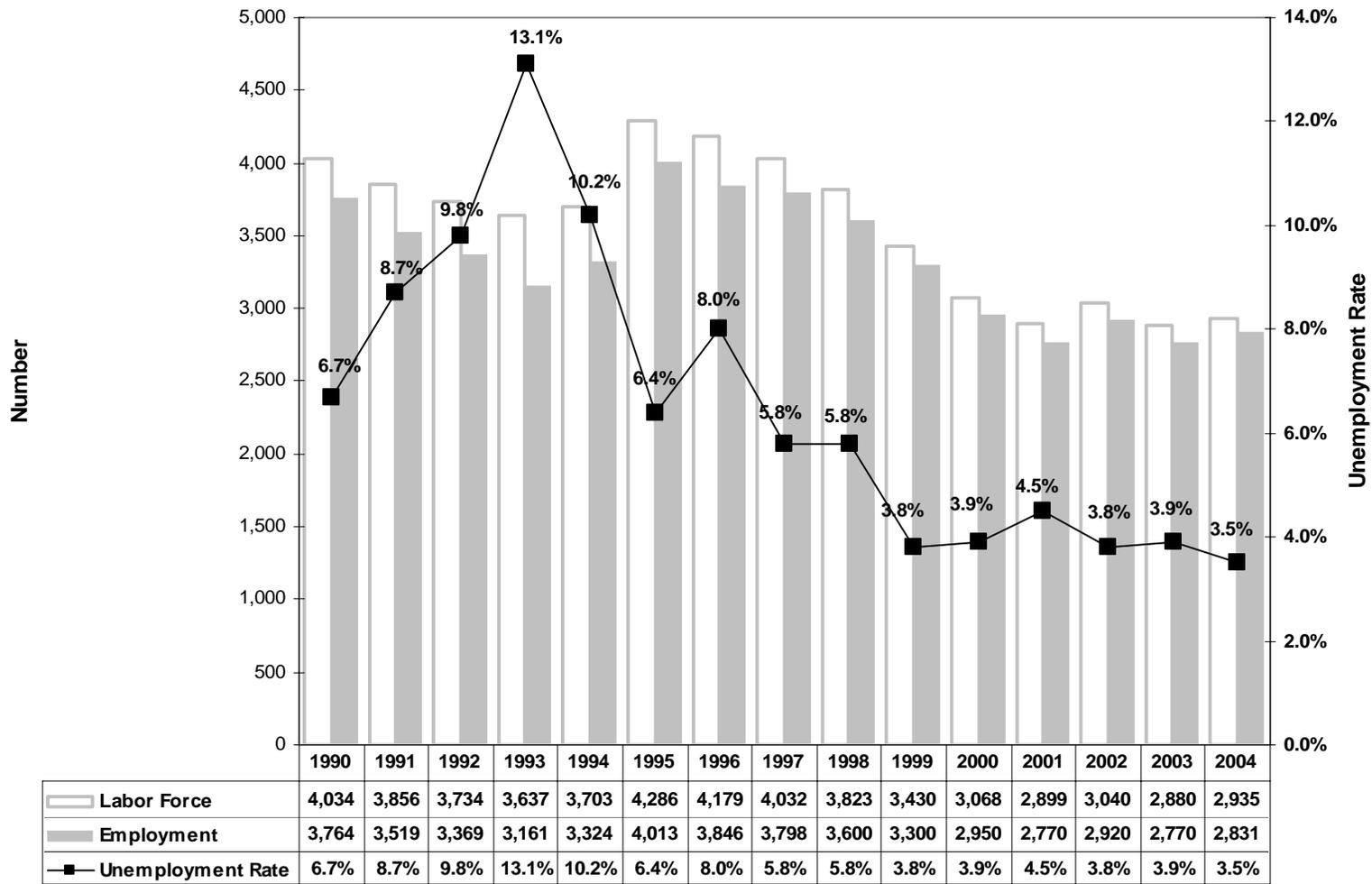
** UCED calculation using data above.

LABOR FORCE DYNAMICS FROM 1990 - 2004

As seen from Figure 1, labor force and employment in White Pine County both reached a peak in 1995 when 4,286 individuals were in the labor force and 4,013 of them were employed. White Pine County labor force has declined fairly steadily since then to 2,880 in 2003. Also, employment in White Pine County has declined to 2,831 in 2003. Annual 2004 averages through November were slightly higher at 2,935 for labor force and 2,831 for employment. The unemployment rate, even though the economy of White Pine County is in recession due to mining sector closures, has declined from 13.1 percent in 1993 to 3.5 percent in 2004.

A low unemployment rate may indicate an expanding or successful local economy. However, the real viability of a Mountain West economy is shown in its employment and labor force value. From 1995 to 2003, county employment declined by approximately 31 percent, while the county labor force declined by approximately 33 percent. The increase in labor force and employment from 2003 to 2004 was approximately a 2 percent rise.

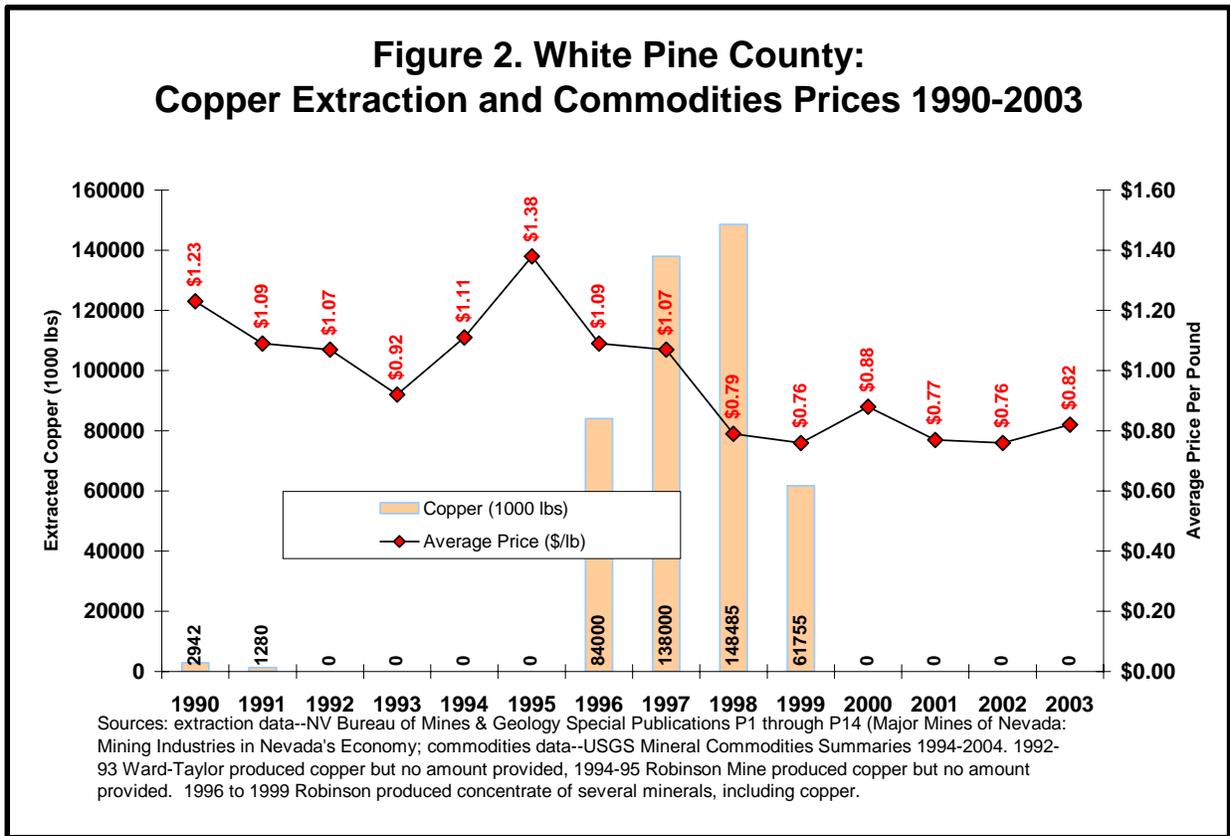
Figure 1. White Pine County Labor Force Dynamics 1990 to 2004



Source: Nevada Department of Employment, Training and Rehabilitation. [Labor Force, Employment, Unemployment, and Unemployment Rates \(LAUS\)](#)

MINERAL SECTOR DATA

Figures 2 through 4 show trends in county mineral sector production in White Pine County. Figure 2 shows copper extraction and commodity prices from 1990 to 2003. In 1996, copper extraction in White Pine County was at its highest over the period at 148.5 million pounds with a market price of \$0.79 per pound. From 2000 onwards no copper extraction was recorded in the Major Mines of Nevada report (Nevada Bureau of Mines and Geology). As of October of 2004, however, production of copper concentrate was resumed at the Robinson Mine as copper prices reached as high as \$1.47 per pound.¹



¹ Brandy Dela Vega, "Mining industry expands, as gold price hits 16-year high." RENO GAZETTE-JOURNAL 12/25/2004.

Figure 3 shows extracted gold in 1000s of ounces and price of gold in dollars per troy ounce from 1990 to 2003. Gold extraction over the period peaked in 1998 when approximately 254,000 ounces were produced. Nominal average annual commodity price per troy ounce over the 1990 to 2003 period peaked earlier in 1996 at approximately \$389. By 2003, gold extraction in White Pine County had decreased to a low of approximately 91,000 ounces, a decrease in output of about 64 percent since the peak year of 1998. Gold prices had rebounded to an average of \$350 per troy ounce in 2003. The average year-to-date price of gold as of August 2004 was at a new nominal high for the time period since 1990 at about \$402 per troy ounce. Note that the amount of gold produced in concentrate at the Robinson mine in 1994 and 1995 was not provided and is not included in those years.

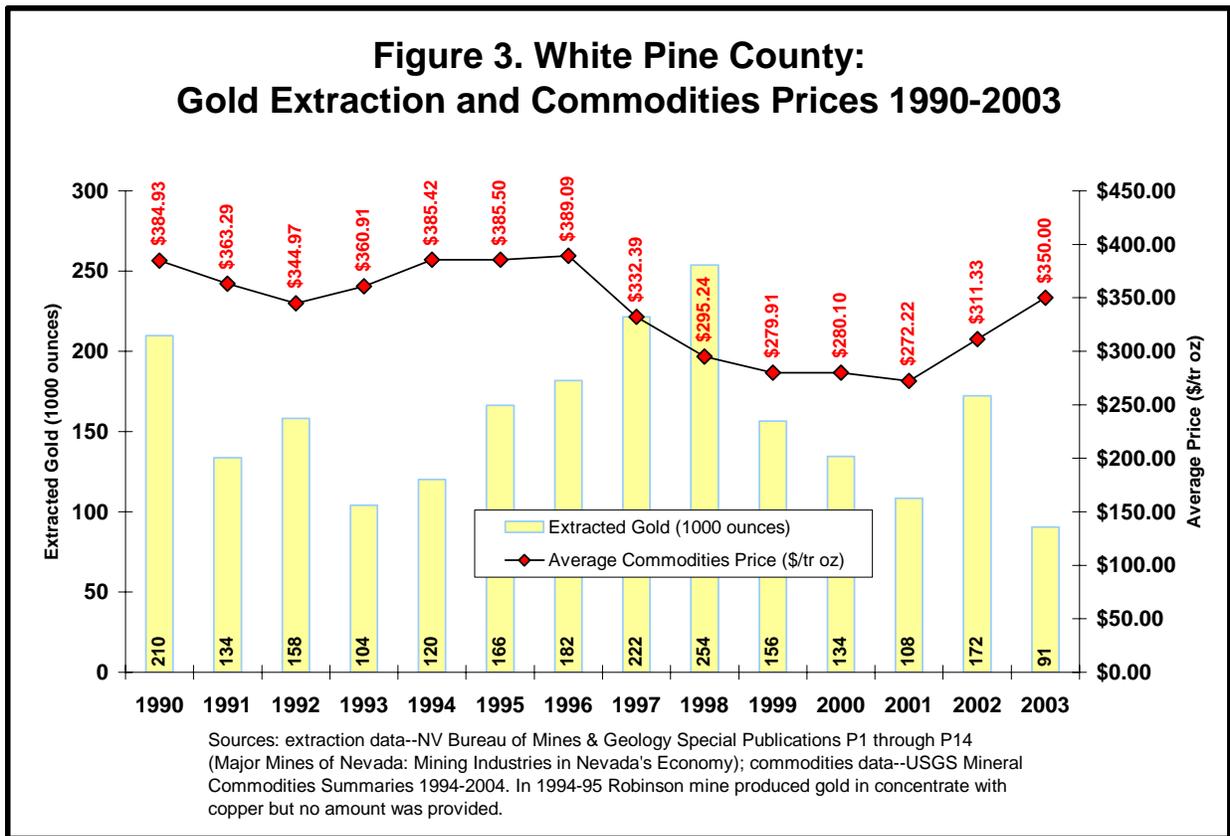


Figure 4 shows extracted silver in 1000s of ounces and price of silver in troy ounces from 1990 to 2003. The extraction of silver was at its highest in 1997 with about 514,000 ounces and corresponded with high levels of both copper and gold extraction. By 2000 extraction of silver was only around 14,000 ounces. By 2003, extraction of silver had increased somewhat to 27,000 ounces.

The nominal price of silver has fluctuated around an average of about \$4.80 per troy ounce over the 1990 to 2003 time period, peaking in 1998 at \$5.54 per troy ounce. In 1994, silver sold at \$5.29 per troy ounce, decreased to \$4.89 per troy ounce in 1997, rose again to \$5.54 per troy ounce in 1998, and decreased to \$4.66 per troy ounce in 2003.

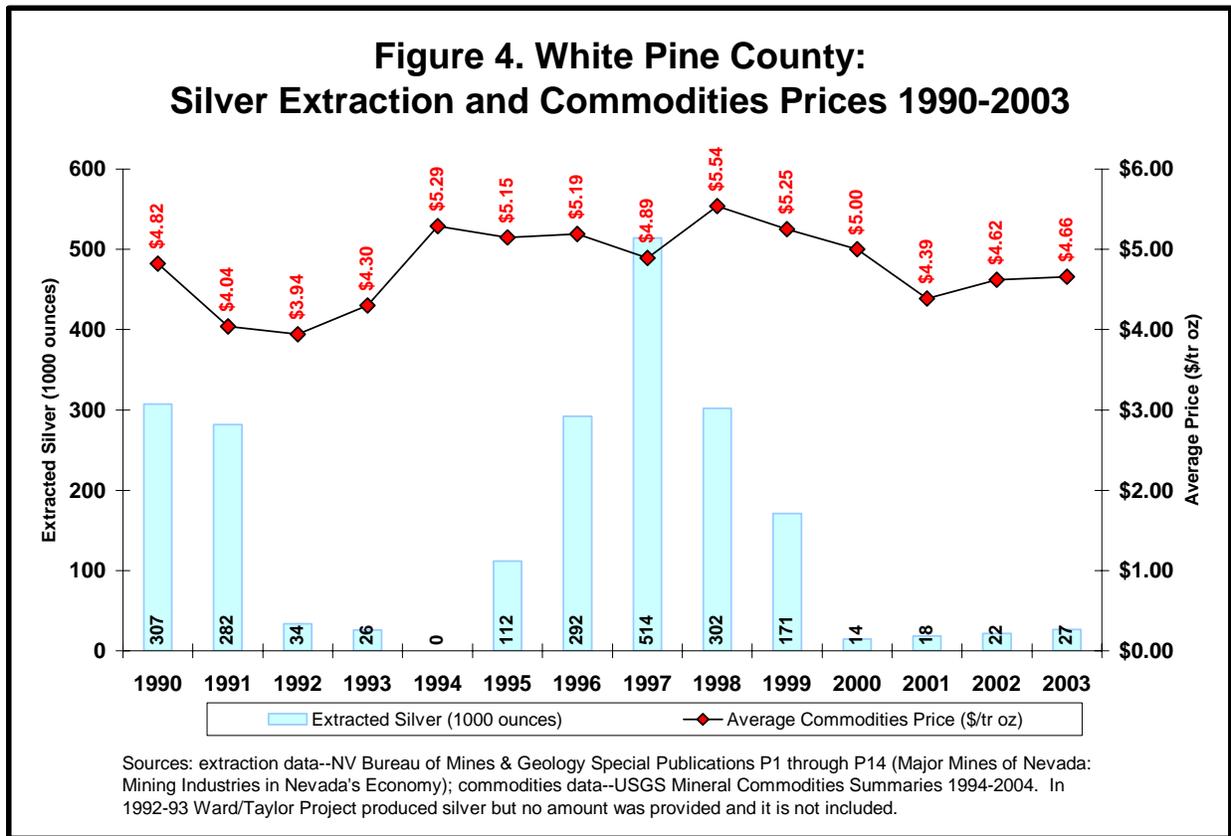
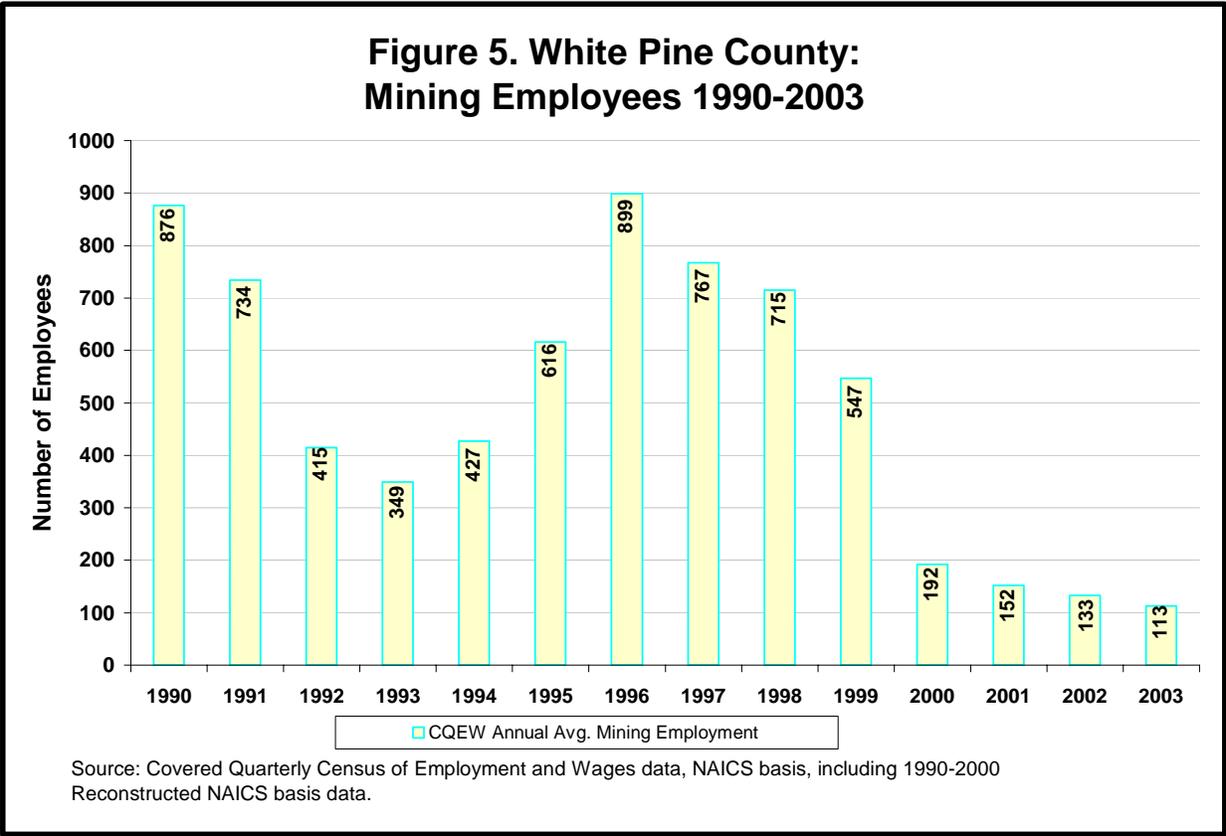


Figure 5 shows mining employment from the Covered Quarterly Census of Employment and Wages series for White Pine County over the period from 1990 to 2003. These workers include workers at White Pine County mines as well as those working in the mining sector in other regions. As Figure 5 shows, mining employment in White Pine County has been variable. In 1990, mining employed an average of 876 individuals. By 1993, White Pine County averaged only 349 mining employees, which then increased to a high for the period of 899 employees by 1996. By 2000, mining employment as given by the covered employment series declined to 192 and has subsequently declined slightly to 113 mining employees in 2003. Second quarter statistics in 2004 showed an increase to 160 mining employees in White Pine County.



County Fiscal Observation

The “boom-bust” cycles of White Pine County’s natural resource industry, i.e.; agriculture and mining, have been a focus of economic development and diversification efforts in rural Nevada counties such as White Pine. In White Pine County, the mining industry is one of the largest employers and export sectors. The simultaneous cutbacks in agriculture and mining resulted in impacting the fiscal strength in White Pine County.

Table 5. White Pine County, Nevada Nominal Fiscal Statistical Indicators^c.

	FY 1999-00 (Actual)	FY 2000-01 (Actual)	FY 2001-02 (Actual)	FY 2002-03 (Actual)	FY 2003-04^b (Estimated)	FY 2004-05^b (Budgeted)
Assessed Valuation	\$173,614,033	\$140,716,000	\$129,338,788	\$123,152,460	\$121,929,629	\$119,107,946
Percent Change		-18.9%	-8.1%	-4.8%	-1.0%	-2.3%
Ad Valorem Revenue	\$2,303,496	\$1,963,442	\$1,584,427	\$1,552,617	\$1,745,507	\$1,987,346
Percent Change		-14.8%	-19.3%	-2.0%	12.4%	13.9%
General Fund Revenue ^a	\$7,644,440	7,588,549	7,641,775	7,674,361	7,592,280	7,154,868
Percent Change		-0.7%	0.7%	0.4%	-1.1%	-5.8%
Population	9,991	9,767	9,181	8,783	8,863	8,842
Percent Change	-0.9%	-2.2%	-6.0%	-4.3%	0.9%	-0.2%

^aGeneral Fund – includes Net Proceeds of Mines tax revenue.

^bData from FY 2004-05 budget

^cAll data required and verified through Nevada Department of Taxation.

Table 5 shows the nominal changes in fiscal condition for White Pine County government. White Pine County assessed valuation decreased from a high of \$173.6 million in fiscal year 1999-00 to \$119.1 million in fiscal year 2004-05 or a decline of approximately 31.4 percent. Because of a declining mineral industry, White Pine County population declined from 9,991 for fiscal year 1999-00 to 8,842 for fiscal year 2004-05 or a decrease in population of 11.5 percent (State of Nevada Demographer, 2004).

Also from Table 5, nominal general fund revenue has decreased somewhat. Nominal general revenue decreased from \$7.6 million during fiscal year 1999-2000 to \$7.2 million in fiscal year 2004-2005. Property taxes decreased from \$2.3 million during fiscal year 1999-2000 to \$1.6 million during fiscal year 2002-2003. Property taxes then increased again somewhat to \$1.7 million during fiscal year 2003-2004 and were budgeted to increase to \$2.0 million during fiscal year 2004-2005.

Data and information shown in Table 5 are nominal figures; that is, data that has inflation. Table 6 shows changes in fiscal values net of inflation. All fiscal data has been discounted to 2000 prices by the Gross Domestic Price Deflator. Table 6 nets inflation from the fiscal data, while Table 7 accounts for population. Table 7 shows fiscal indicators for White Pine County in real per capita terms.

From Table 6, real assessed valuation decreased from \$175.6 million during fiscal year 1999-2000 to \$109.8 million during fiscal year 2004-2005, or a real decrease in assessed valuation of approximately 38 percent. From Table 7, per capita real assessed valuation was \$17,978 in fiscal year 1999-2000 but decreased to \$12,471 in the budget for fiscal year 2004-2005 for a decrease of about 31 percent.

As seen from Table 6, real general fund revenues decreased steadily over the period. Real general fund revenues decreased from \$7.7 million during Fiscal Year 1999-2000 to \$6.6 million (budgeted) during fiscal year 2004-2005. Per capita real general fund revenues were variable, increasing from \$792 in fiscal year 1999-2000 to \$842 in fiscal year 2001-2002 then dropping to \$749 (budgeted) in fiscal year 2004-2005.

Real property taxes decreased from \$2.3 million during fiscal year 1999-2000 to a low of \$1.5 million during fiscal year 2002-2003. Real property taxes again increased to a budgeted \$1.8 million during fiscal year 2004-2005. Similarly, real per capita property taxes first decreased from \$239 during fiscal year 1999-2000 to a low of \$167 during fiscal year 2002-2003, then increased to a budgeted \$208 in fiscal year 2004-2005. Property taxes have also been erratic. The erratic nature of White Pine County revenues makes it somewhat difficult to make expenditure plans in the future.

Given these erratic revenues, White Pine County government has found it difficult to plan long-range. With such erratic revenues, White Pine County has had to scale back its operations and has essentially skeletal staffing for most departments, including public safety. White Pine County is a guaranteed county for the purposes of the first-tier distributions of the Supplemental City/County Relief Tax; and as such, the county has been insulated from more drastic decreases in taxable revenues.

Table 6. White Pine County, Nevada Real Fiscal Statistical Indicators^c.

	FY 1999-00 (Actual)	FY 2000-01 (Actual)	FY 2001-02 (Actual)	FY 2002-03 (Actual)	FY 2003-04^b (Estimated)	FY 2004-05^b (Budgeted)
Assessed Valuation	175,586,306	139,097,256	125,198,777	117,206,013	113,950,262	109,795,124
Percent Change		-20.8%	-10.0%	-6.4%	-2.8%	-3.6%
Ad Valorem Revenue	2,329,664	1,940,855	1,533,711	1,477,649	1,631,276	1,831,960
Percent Change		-16.7%	-21.0%	-3.7%	10.4%	12.3%
General Fund Revenue ^a	7,731,282	7,501,253	7,397,169	7,303,803	7,095,423	6,595,443
Percent Change		-3.0%	-1.4%	-1.3%	-2.9%	-7.0%

^aGeneral Fund – includes Net Proceeds of Mines tax revenue.

^bData from FY 2004-05 budget

^cAll data required and verified through Nevada Department of Taxation and real value is derived from Gross Domestic Product where 2000 = 100.

Table 7. White Pine County, Nevada Per Capita Real Fiscal Statistical Indicators^c.

	FY 1999-00 (Actual)	FY 2000-01 (Actual)	FY 2001-02 (Actual)	FY 2002-03 (Actual)	FY 2003-04^b (Estimated)	FY 2004-05^b (Budgeted)
Assessed Valuation	17,978	15,151	14,255	13,224	12,887	12,471
Percent Change		-20.9%	-9.5%	-6.2%	-2.7%	-3.5%
Ad Valorem Revenue	239	211	175	167	184	208
Percent Change		-16.8%	-20.5%	-3.5%	10.5%	12.4%
General Fund Revenue ^a	792	817	842	824	802	749
Percent Change		-3.2%	-0.8%	-1.1%	-2.7%	-6.9%

^aGeneral Fund – includes Net Proceeds of Mines tax revenue.

^bData from FY 2004-05 budget

^cAll data required and verified through Nevada Department of Taxation, real value is derived from Gross Domestic Product where 2000 = 100, and population from State of Nevada Demographer (2004) .